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1906-07

No. 1.

# CARROLL COLLEGE BULLETIN



THE ANNUAL CATALOGUE  
1906-07

WAUKESHA, WISCONSIN,

PUBLISHED BY THE COLLEGE FOUR TIMES A YEAR IN NOVEMBER  
FEBRUARY, APRIL AND AUGUST.

April, 1907

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VIEW FROM EAST AVENUE.

CATALOGUE

— OF —

# CARROLL COLLEGE

FOR THE ACADEMIC YEAR  
1906-1907

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WITH ANNOUNCEMENTS FOR THE YEAR  
1907-1908.

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WAUKESHA, WISCONSIN.

APRIL, 1907.

# CALENDAR 1907

## JAN.

S M T W T F S

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## FEB.

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## MARCH

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## JULY

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# 1908

## JAN.

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## MARCH

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## APRIL

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## JUNE

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## Calendar for 1907-1908.

## 1907

- September 17* Registration, Tuesday 9 to 12 A. M., 1 to 4 P. M.  
*September 18* First Semester begins Wednesday, 10 A. M.  
*December 20* Christmas recess begins Friday, 4 P. M.

## 1908

- January 7* Christmas recess ends Tuesday, 8 A. M.  
*January 30* Day of prayer for colleges, Thursday.  
*January 31* First Semester ends, Friday.  
*February 3* Second Semester begins, Monday.  
*March 26* Annual Prize Debate between the Aristonian  
and Philomathean Literary societies, Thurs-  
day, 8 P. M.  
*March 27* Spring recess begins Friday, 4 P. M.  
*April 7* Spring recess ends Tuesday, 8 A. M.  
*June 14* Baccalaureate Sermon, Sunday.  
*June 15* Annual Recital by Departments of Music and  
Oratory, Monday, 8 P. M.  
*June 16* Senior Orations, Academy, Tuesday, 10 A. M.  
*June 16* Field Day, Tuesday, 2 P. M.  
*June 16* Missionary Address, Tuesday, 8 P. M.  
*June 17* Chapel Service, Wednesday, 10 A. M.  
*June 17* Annual Meeting Board of Trustees, Wednesday,  
1:30 P. M.  
*June 18* Commencement Exercises, Thursday, 10 A. M.  
*June 18* President's Reception, Thursday, 3 to 5 P. M.

## Board of Trustees.

Appointed by the Synod of the Presbyterian Church of Wisconsin.

## TERM EXPIRES JUNE, 1908.

REV. R. D. SCOTT, PH. D.,	Chicago.
SAMUEL SHAW,	Crandon.
HENRY M. YOUNG,	Waukesha.
WALTER H. BISSELL,	Wausau.
WILLIAM MAINLAND,	Oshkosh.
W. D. CONNOR,	Marshfield.

## TERM EXPIRES JUNE, 1909.

REV. E. A. CUTLER,	Milwaukee.
ANDREW J. FRAME,	Waukesha.
CLARK S. HARTWELL,*	Waukesha.
REV. A. S. BADGER,	Waukesha.
FRANK SHATTUCK,	Neenah.
HENRY PHELPS,	Waukesha.
President Wilbur O. Carrier, D.D., ex officio.	

## TERM EXPIRES JUNE, 1910.

REV. A. A. KIEHLE, D.D.,	Milwaukee.
WILLIAM N. FITZGERALD,	Milwaukee.
REV. J. G. BLUE,	Portage.
JOSEPH E. WILDISH,	Milwaukee.
REV. GEO. M. COLVILLE, D.D.,	Racine.
JUDGE E. O. HAND,	Racine.

## TERM EXPIRES JUNE, 1911.

REV. C. L. THOMPSON, D.D.,	New York City.
REV. THOS S. JOHNSON,	Beaver Dam.
HARLAN P. BIRD,	Wausaukee.
REV. JOSEPH BROWN,	Marshfield.
JACOB MORTENSON,	Oak Park, Ill.
WALTER L. RANKIN,	Waukesha.

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\*Deceased.

# OFFICERS AND COMMITTEES OF THE BOARD.

REV. A. A. KIEHLE, D.D.,	President.
REV. A. S. BADGER,	Vice-President.
HENRY PHELPS,	Secretary.
A. J. FRAME,	Treasurer.

## EXECUTIVE COMMITTEE.

REV. A. A. KIEHLE, D.D.	REV. A. S. BADGER.
ANDREW J. FRAME.	H. M. YOUMANS.
WALTER L. RANKIN.	REV. W. O. CARRIER, D.D.
HENRY PHELPS.	

## FINANCE COMMITTEE.

ANDREW J. FRAME.	W. D. CONNOR.
JUDGE E. O. HAND.	H. M. YOUMANS.
JACOB MORTENSON.	

## INSTRUCTION COMMITTEE.

JOSEPH WILDISH.	W. H. BISSELL.
REV. A. S. BADGER.	REV. E. A. CUTLER.
H. P. BIRD.	

## AUDITING COMMITTEE.

WM. N. FITZGERALD.	HENRY PHELPS.
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## VISITING COMMITTEE OF THE SYNOD OF WISCONSIN.

REV. AUGUSTUS AYRES.	REV. STAD O MUNNEKE.
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## The Faculty.

REV. WILBUR OSCAR CARRIER, M. A., D.D., PRESIDENT.  
*Professor of Biblical Literature and Ethics.*

WALTER LOWRIE RANKIN, PH. D., VICE-PRESIDENT.  
*Professor of Latin.*

SAMUEL BEATTY RAY, M. A., DEAN.  
*Professor of Mathematics.*

MAY NICKELL RANKIN, B. A.  
*Ralph Voorhees Professor of Oratory.*

WILLIAM ARTHUR GANFIELD, M. A.  
*Professor of History and Economics.*

ROBERT OLIVER GIBBONS, B. L.  
*Assistant Professor of Mathematics.*

AMANDA MOORE FLATTERY, M. A.  
*Professor of Greek.*

HARRY LINN STARR, M. A.  
*Professor of English.*

HENRY NEWELL GODDARD, PH. B.  
*Professor of Biology and Geology.*

EDGAR BURTON HUTCHINS, JR., PH. D.  
*Professor of Chemistry and Acting Professor of Physics.*

MABEL EDDY, DEAN OF WOMEN.  
*Professor of German and French.*

AMOS AUGUSTUS KIEHLE, M. A., D.D.  
*Professor of Sociology and Associate Professor of English.*

AUGUSTUS WILLIAM TRETTIEN, PH. D.  
*Professor of Philosophy and Education.*

CARROLL COLLEGE

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MYRTLE PITTS CARRIER, B. S.  
*Instructor in Biblical Literature.*

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*Instructor in Physics.*

ELIZABETH OLIVER.  
*Assistant in English.*

WALTER HENRY BENSON.  
*Laboratory Assistant in Chemistry.*

ARTHUR MOSES BUSWELL.  
*Student Assistant in Academy.*

HOWARD WESLEY MAULE.  
*Student Assistant in Academy.*

GUY BEVIER WILLIAMS.  
*Director of Department of Music and  
Instructor in Piano, Ensemble and Theory.*

VERA LEAVITT LATHAM.  
*Instructor in Vocal Music.*

LUELLA COOK.  
*Instructor in Drawing and Painting.*

CHARLES V. BURTON.  
*Instructor in Stenography and Typewriting.*

GEORGE SIM.  
*Physical Director.*

## OTHER OFFICERS.

SAMUEL BEATTY RAY.

*Registrar, and Secretary of the Faculty.*

AMANDA MOORE FLATTERY

*Librarian.*

HENRY NEWELL GODDARD.

*Curator of the Museum.*

MRS. LILIAN CRAVEN.

*Matron of Elizabeth Voorhees Hall.*

EUGENE V. HOGAN.

*Custodian.*

## COMMITTEES OF FACULTY.

CURRICULUM AND SCHEDULE—Ray, Hutchins, Trettien, Starr.

LIBRARY—Flattery, Gibbons, Starr.

GRADUATION—W. L. Rankin, Gibbons, Trettien.

PUBLICATION—Starr, Flattery, Ray, Hutchins.

PUBLIC EXERCISES—Ganfield, Kiehle, M. N. Rankin.

RULES AND DISCIPLINE—Ray, Goddard, Ganfield, Eddy.

ATHLETICS—Hutchins, Ganfield, Sim.

PROPERTY—Ganfield, Goddard.

STUDENT ORGANIZATIONS—Goddard, Ganfield, W. L. Rankin,  
Eddy.

SOCIAL AFFAIRS—Gibbons, Goddard, M. N. Rankin, Eddy.

STUDENT ADVISERS—Ray, Hutchins, Goddard, Eddy, Starr, Tret-  
tien, Ganfield, W. L. Rankin.



# CARROLL COLLEGE.

## Sphere of the College.

The College of Arts and Sciences is a distinctively American institution, finding its origin in the conditions of American life and character, and in turn responding to the demands of the life which has determined the nature of its development. Recent and prevailing tendencies in our educational system and ideals have thrown added emphasis upon the function of the college in the training of the individual for the service of society. The largely increased, and increasing, demands of professional and technical training, the need of greater adaptability and command of individual powers in commercial and industrial life, render the disciplinary and cultural training of the college more and more necessary for success in these lines.

## Advantages of the College.

For the realization of these ends the college possesses distinct advantages. The moderate size of the college community makes it possible for the individual student to comprehend, in his experience and opportunities for contact, all, or a very considerable portion of, the interests and activities of the institution, rather than a relatively small and isolated portion, as in the larger and more pretentious institution. Hence it is that the graduates of the college have appropriated so large a share in the leadership of our country.

## Purpose of Carroll College.

This college does not aim to do the research work of a university, nor to give the specialized training of the technical school, but confines itself to the legitimate sphere of a college, the development of the mind and character, the making of men and women. It strives to unfold the individual powers of its students, and to set before them high mental, moral, and spiritual ideals, realizing that a broad foundation of general culture should precede all specialization and professional training, and that the successful life work of a scholar, or man of affairs, is conditioned on the symmetrical development of the

whole man. It is the purpose and endeavor always to maintain high standards of scholarship and conduct, to measure the value and effectiveness of the school, not by the number of its students, but by the quality of its work and the character of its product.

### **Atmosphere of the College.**

Carroll College is preëminently a Christian college. While high scholarship and broad culture are emphasized, the supremacy of the spiritual nature is constantly recognized. The Bible is given its rightful place in the college curriculum, and the principles of Christianity are inculcated in the chapel service and in the class room. The members of the faculty are all Christian men and women who endeavor to present truth from the standpoint of reverent regard for things sacred and eternal, and to help the students rightly to interpret the facts and laws of life. The atmosphere of the college is distinctively religious, but not sectarian. Loyal to the trust imposed by the Synod of the Presbyterian Church of Wisconsin, the college seeks to foster a strong spiritual life, interpreting the spiritual life, not as something distinct and apart from the other phases of life, but as the finest development of them all in perfect and harmonious combination. Several Christian denominations are represented in the faculty, and students of all denominations find here a friendly and congenial atmosphere.

### **Carroll College a Coeducational Institution.**

As men and women are intended for mutual service and in all the phases of life are associated, the ideal condition for their mental and moral development is a mingling of the sexes, not segregation. The policy of coeducation has been adopted in the belief that it is the natural method of training young people. It lessens the dangers of college life and increases its advantages. The healthful interchange of thought and feeling serves as an intellectual stimulus and a moral restraint, while the normal association of young men and women in class room and in all social and literary organizations of the college, tends to broaden the sympathies, and to awaken true manliness and womanliness.

## Location.

No more attractive or suitable location for a college could be found than Waukesha. It is a city of about nine thousand inhabitants picturesquely situated in the midst of the rolling country of the Fox River Valley, a country of hills and lakes, of woods and fertile fields. The college buildings are upon the heights south of the business portion of the town and command an extended view over a rarely beautiful landscape. The beauty of the surrounding country, the proverbial healthfulness of the locality, and the purity of its far-famed waters make it a most desirable place of residence. Because of the proximity of Milwaukee many of the advantages of a large city are realized. Particularly is this true in the organization and work of the Department of Music in that teachers of superior ability are employed who divide their time between the college and the conservatories of the city. Waukesha is a city of churches whose pastors are ready to extend a welcome to the young people of the college. The moral tone of the community is wholesome and the people are deeply interested in all educational work.

Waukesha is located on lines of the three principal railway systems of Wisconsin, the Chicago and Northwestern, the Chicago, Milwaukee and St. Paul, and the Wisconsin Central, and is thus easily accessible from all parts of this and the adjoining states. It is one hundred miles from Chicago, by any of the above named roads, and twenty miles from Milwaukee. Hourly service to the latter city is provided by the electric interurban railway.

## Campus.

The campus consists of a wooded tract of fifteen acres on the hills to the south of the Fox River, a most favorable situation for the college. An historic interest attaches to the campus in the presence here of several large Indian effigy mounds and an Indian cornfield.

## Buildings and Equipment.

Plans have been made for a consistent and harmonious group of buildings, four of which have been erected and are now occupied.

### Voorhees Hall.

Of this group the central building is Voorhees Hall, completed in 1900. This is a substantial building of stone, beautiful in appearance and convenient in arrangement. In the basement or ground floor, are the gymnasium, and bath and locker rooms, for young men. The first floor contains the rooms of the music department and several recitation rooms. The library and chapel occupy the entire second floor. On the third floor are several recitation rooms and the Y. M. C. A. reading room. The building is heated by steam from the central heating plant and is lighted by electricity.

### Rankin Hall of Science.

The Walter L. Rankin Hall of Science, erected in 1906 through the munificence of Mr. and Mrs. Ralph Voorhees, is devoted almost exclusively to the laboratories and recitation rooms of the departments of Chemistry, Biology, Geology and Physics. The edifice is three stories in height with a high basement, making substantially four stories. It has a south frontage of 132 feet and is 53 feet deep. It is constructed of Waukesha limestone and is covered with a red tile roof. The construction is such that the building is well protected against fire. All of the rooms are well lighted, ventilated, and heated. The departments of Chemistry and Physics occupy the first floor and a portion of the basement. The departments of Biology and Geology occupy the second floor. The third floor contains the museum and two literary society halls.

### The Chemical Laboratories.

The chemical laboratories are four in number: a laboratory of General Chemistry, a laboratory of Analytical and Organic Chemistry, a laboratory for water analysis and a private laboratory for the instructor in charge. All of these laboratories are



RANKIN HALL OF SCIENCE.





located on the first floor of Rankin Hall of Science excepting the laboratory for water analysis which is located in the well lighted basement. Besides these laboratories there is a dark room in the basement for the storage of acids and combustible and volatile chemicals, a general supply and store room on the first floor and a balance room. The balance room opens into the laboratory of Analytical Chemistry and is well supplied with balances of the best makes.

The equipment of the laboratory of General Chemistry is of the most modern and approved construction. It includes reagent shelves, balance shelves, air blast, and individual working desks for sixty students. These desks are provided with drawers, lockers, gas, water, and special ventilating tubes. The ventilation of the laboratory is unexcelled. Pipes are carried from each desk to a fifty-inch steel-plate fan in the basement. The fan is driven by an electric motor and discharges into a special flue. Each desk is furnished with a complete set of apparatus, and the laboratory is well supplied with balances, chemicals and general apparatus for a thorough course in General Chemistry.

The laboratory of Analytical Chemistry is equipped with desks for 36 students. It is supplied with reagent shelves, air blast, draft-chamber and the best apparatus for accurate analytical work. The draft-chamber is connected with the exhaust fan. The laboratory opens into a balance room which contains Sartorius and Becker balances.

The laboratory for water analysis contains desks for 12 students. It is provided with chemicals and apparatus needed for mineral and sanitary water analysis. The laboratory is located in the basement on the south side and is well lighted.

The store room is well supplied with refined chemicals and apparatus from the best German manufacturers. The store room will be open at stated periods for the purpose of supplying students with apparatus which is needed only for special experiments.

A preparation room which is equipped with chemicals, minerals, technical products, and lecture apparatus for use in the courses in experimental lectures, opens into the lecture

room. The lecture table is supplied with gas, water, the electric current, and a fuming chamber connected with the exhaust fan.

### **The Physical Laboratories.**

The lecture room and laboratories of the department of Physics occupy the west end of the first floor and a portion of the basement of Science Hall.

The laboratory of General Physics is a large well lighted room with a south and west exposure. It is provided with two wall cases each ten feet in length and eight feet in height. These cases are well supplied with apparatus for use in the study of mechanics, heat, sound, light, and electricity. The laboratory contains an instructor's table and tables for 40 students working at one time. A store room and an office for the instructor in charge open into this laboratory. The instructor's office also opens into the physical lecture room. The store room adjoining the lecture room is supplied with apparatus for class demonstrations and illustrated lectures. The basement contains an electrical and magnetic laboratory and the physical work-shop.

### **Biological Laboratories.**

The laboratories for biology occupy the west end of the second floor of Rankin Hall of Science. The laboratory for general biology is a large, well lighted room with desks and lockers for thirty pupils working at one time. There are two microscope cases with lockers for twenty-six microscopes and cupboards for other supplies. A Wardian case and a large aquarium, both provided with water connections, form a part of the permanent equipment. Adjoining this laboratory, is a preparation and general supply room, where paraffin imbedding and sectioning may be done. There is an advanced biological laboratory equipped with desks and lockers for eighteen microscopes and cupboards for other supplies. Just off from this is a dark room fitted for all kinds of photography work. It is used also for experiments in plant physiology. A lecture room, accommodating thirty students, is fitted with a stereopticon and screen and can be darkened at any time.

The equipment of these laboratories includes, in addition to the fixtures already referred to, fifteen compound microscopes of the Spencer Lens, No. 40 type, twelve Barnes dissecting microscopes, microtomes for all kinds of sectioning work, drying ovens, paraffin baths, injecting apparatus, animal cages, collecting cases, and a collection of one hundred histological slides of different animal and plant tissues. Glassware, stains and reagents are provided for microscopical, histological, and general laboratory work.

The museum, which is more fully described elsewhere, contains collections of insects, woods, shells, eggs, stuffed birds and pressed plants, which are much used for illustration. A Mountjoy Natural History Chart with about four hundred colored plates of birds and other animals also belongs to the department.

#### Geological Laboratory.

This laboratory occupies the east end of the second floor of Rankin Hall of Science, and has desk room for twenty-five students. The equipment includes maps, charts, globes, and rock, mineral, and fossil specimens. Among these are thirty-five folios of the Geological Atlas of the U. S.; five hundred sheets of the Topographical Atlas of the U. S.; the Geological Atlas of Wisconsin, the Daily Weather Maps, and a collection of fifteen hundred rocks, minerals and fossils.

A voluntary observer's station in connection with the U. S. Weather Bureau, has been established recently at Carroll College under charge of this department. For this work the government has furnished an instrument shelter, maximum and minimum thermometers, and a rain gauge. These are used for meteorological study.

#### The Museum.

The museum occupies a room, 53 x 60 feet, on the third floor of Rankin Hall of Science. The room has now eight upright wall cases, each eight feet long. These contain the following collections:—

1. Fifty mounted birds, nearly all native in Wisconsin, the gift of Mr. James Miller of Shawano, Wis.

2. A collection of eighty-five varieties of birds' eggs, a gift from T. W. Haight.

3. The Park's Herbarium, presented by Frank Park, and containing about a thousand pressed and mounted specimens.

4. A collection of native Wisconsin woods containing ninety specimens, mounted in a special case, a gift from Frank Park.

5. A collection of several hundred varieties of shells, presented by Mrs. S. M. Quaw of Wausau and others.

6. About fifteen hundred specimens of rocks, minerals and fossils.

7. A collection of two hundred Indian relics, a gift from Mr. William Peterson of Chicago.

8. Several mounted vertebrates, including snake and marine turtle.

9. About fifty plaques of mounted insects, showing habits and life histories.

These collections are used extensively for class room illustration as well as for display. It is the purpose to add to the museum material each year as rapidly as possible. Either gifts or loans of valuable collections will be greatly appreciated.

### Library.

Voorhees Library of Carroll College is supported by an income from the sum of twenty thousand dollars given for the endowment of the library by Mr. and Mrs. Ralph Voorhees of New Jersey, and by special appropriations. The books are carefully selected with special reference to the needs of the several departments. They are catalogued and arranged according to the Dewey system of classification. The collection includes over seven hundred bound volumes of leading periodicals which are of value in reference work through the aid of "Poole's Index" and "Reader's Guide to Periodical Literature." These files will be completed as soon as possible. The library is well supplied with standard works of reference. Reserve shelves are provided on which are placed books for special readings assigned by the various professors.

The reading-room is a large well lighted room, tastefully decorated, and furnished in mission style. Reading tables are

abundantly supplied with daily and weekly papers, current magazines, literary reviews, and scientific journals.

The library is open for reading and study from 8 A. M. to 5 P. M. on recitation days and from 9 to 12 A. M. on Saturdays. Students have free access to the shelves and are permitted to draw books by complying with customary library restrictions. In the preparation of orations and debates the facilities of our library may be supplemented by the very complete public library of Milwaukee and the Carnegie Library of Waukesha to which our students have access.

The constant enlargement of Voorhees Library is assured through the sum of money available annually for the purchase of books. It is the aim of the management to make the library one of the strongest and most valuable features of the institution.

Gifts of books are constantly being made by individuals and are always gladly received. A donation of standard works from the library of the late Rev. J. V. Hughes was recently received from his daughters.

Through the generous gift of Mr. Sinclair Mainland of Oshkosh, a large number of the latest and most authoritative works in science, history, and general literature have just been purchased.

### **Elizabeth Voorhees Dormitory for Women.**

This new building is the gift of Mr. and Mrs. Ralph Voorhees, and, at the request of her husband is named in honor of Mrs. Voorhees. It is a model of beauty and architectural skill. It was planned after a careful study of the most modern dormitories elsewhere and in comfort and convenience can not be surpassed. Like the other new buildings it is of the famous Waukesha limestone. Each floor has spacious halls and is amply supplied with lavatory facilities, and the entire building is heated by steam and lighted by electricity. It is thoroughly up-to-date in all its details with the appointments of a cultured home. The building has accommodations for eighty girls. Most of the rooms are intended for a single occupant, but some of larger size are designed for two people, and there are a few suites consisting of parlor and two bed-rooms.



The dining-room is large and cheery, and will accommodate one hundred and sixty persons. It is practically a college commons, many of the young men taking their meals there, a separate entrance and waiting-room being provided. On the first floor of the dormitory is a spacious reception room with parlor adjoining, and suites of apartments for the dean and matron.

The domestic department is superintended by a competent, experienced matron. The dean of women presides over the social life and is responsible for the physical and moral welfare of the young women in the home. The dean and the matron are both cultured Christian women who have had long experience in dealing with girls and who respond quickly to all their needs. Everything is done to surround the student with helpful, stimulating influences. There is no unnecessary or annoying surveillance; only such restraints are imposed as are needed to give the atmosphere of a well ordered home, and to help the young women to exercise self-control and to develop well balanced Christian characters.

#### **Voorhees Cottage.**

Voorhees Cottage like others of the college buildings, the gift of Mr. and Mrs. Ralph Voorhees, has recently been completed. It is the residence of the President of the college and is intended as a college home, the center of the life of the college. It is at once beautiful, and convenient in all of its arrangements.



## Terms of Admission.

To enter the Freshman Class of the college, students must have completed the course outlined for the academy, or its equivalent in other schools. Testimonials of good moral standing will be required from those who are not personally known to the authorities of the college.

Free tuition is offered by the College for the Freshman year to the young man or woman who makes the highest record for scholarship in the senior class of any accredited High School or Academy in the State of Wisconsin.

### Admission by Certificate.

Graduates of accredited schools will, on presentation of a certificate signed by the principal or superintendent or other authorized officer, be given credit without examination for the work done. Blank forms of application for admission may be secured at any time by addressing the Registrar. These should be filled out and returned by September ninth.

### Admission by Examination.

Candidates for admission to the Freshman Class coming from High Schools not accredited, or having credits that are not entirely satisfactory, may have the privilege of proving themselves worthy of entrance by taking a written examination. Such examination will be appointed for Monday of registration week.

The courses outlined in the High School Manual of the State of Wisconsin represent in general the character of the work required for admission.

### Requirements for Admission.

For unconditional admission to the Freshman Class of Carroll College candidates must offer a total of 15 units selected from the following list, the required units being: English, three units; Mathematics, three units; History, one unit; Science, one unit; and a Foreign Language, two units.

**English.**

- (a) Review of English Grammar. Themes: Simple narratives and descriptions. Literature: Standard classics. 1 unit.
- (b) Composition: Narratives and descriptions based upon writer's experience and observation, or upon texts read in class. Literature: English classics. 1 unit.
- (c) Rhetoric: Study of principles of composition. Literature: English classics. 1 unit.
- (d) Rhetoric: Study of kinds of composition. Themes. Literature: History of English and American literature. Classics. 1 unit.

**Greek.**

- (a) Gleason's Greek Primer; Xenophon's *Anabasis*, Book 1, chapters 1-5. 1 unit.
- (b) Xenophon's *Anabasis* to the end of Book IV; Homer's *Iliad*, Books I-III, Prose Composition. 1 unit.

**German.**

- (a) Thomas' *Practical German Grammar*, Part I; Lange's *A New Method with German* or equivalent texts. 1 unit.
- (b) Bernhardt's German Composition; Freytag's *Die Journalisten*; Goethe's *Egmont* or Schiller's *Wilhelm Tell*; sight reading of easy fiction. 1 unit.

**French.**

- (a) Ability to read French correctly, to put simple English sentences into French, and thorough familiarity with the essentials of grammar. 1 unit.
- (b) Ability to read at sight modern French of average difficulty, chosen from nineteenth century literature. This should cover about one thousand pages. 1 unit.

**Latin.**

- (a) Elementary Latin, inflections and constructions. Translations and Elementary Prose. Outline of Roman History. 1 unit.
- (b) Latin Grammar. Caesar's *Commentaries*, four books. Latin Prose, twenty lessons. 1 unit.

- (c) Cicero, five orations and selected letters. Latin Prose completed. 1 unit.
- (d) Vergil's *Aeneid*, six books; Mythology. 1 unit.

### Mathematics.

- (a) Algebra, through simple quadratic equations. Special attention should be given to the use of symbols of grouping, factoring, fractions, simple linear equations and systems of equations with careful analysis of easy problems solved by them, the solution of the quadratic equations and problems involving them, and such theorems in surds and imaginaries as are necessary in the treatment of the quadratic. 1 unit.
- (b) Plane Geometry as given in Wentworth or an equivalent text, with original problems. 1 unit.
- (c) Solid Geometry, including spherical, with easy original problems.  $\frac{1}{2}$  unit.
- (d) Algebra. Review of the work of the first year with advanced work in ratio, proportion and variation, the progressions, binomial theorem, the graph and logarithms.  $\frac{1}{2}$  unit.

### Science.

- (a) Physics. One year's work in elementary physics, such as is covered by the standard elementary text-books. At least one-half of the work should consist of laboratory exercises. The laboratory note book, approved by the instructor under whom the work was done, should be presented by candidates for admission. 1 unit.
- (b) Chemistry. General Chemistry, recitations and laboratory work throughout the year. The ground covered should be that of the best chemistry text-books, such as Remsen's Briefer Course. The laboratory note book, approved by the instructor under whom the work was done, should be presented. 1 unit.
- (c) Zoology. One year's study of animal structures, habits, and general life history will be accepted, provided that laboratory practice and field work have formed part of the course. Laboratory drawing books must be presented. 1 unit.

- (d) Botany. One year's work in structural and systematic botany. Laboratory practice and field work must form an important part of the course. At least 100 hours should be given to laboratory work, besides field work. 1 unit.
- (e) Physiography. One year's work. The recitation work should be supplemented with the making and study of maps, and with field work. Tarr's *Elementary Physical Geography* or an equivalent text is suggested. A portion of the course, from one-fourth to one-half, may include Commercial Geography. 1 unit.
- (c), (d) and (e) may be presented in half units.

### History.

- (a) Ancient History to the year 800 A. D., with special reference to Greek and Roman History. 1 unit.
- (b) Mediaeval and Modern History from 800 A. D. to the present time. 1 unit.
- (c) A general course in American History or English and American History. 1 unit.
- (d) American History and Civics. 1 unit.

### Admission to Advanced Standing.

Students presenting a certificate of honorable dismissal from other colleges and a definite statement of the amount of work done and the credit received for it may be admitted to advanced standing; but the amount of credit given for the work will depend upon the ground covered and the time spent, and is subject to the judgment of the instructors in the several departments. No college credit will be given for work done in secondary schools except on examination.

### Admission to Partial Courses.

Those who are not candidates for a degree may, without examination, enter any class for which they may be found fitted, and thus pursue a partial course. If at any time such students should become candidates for a degree it will be necessary for them to satisfy the entrance requirements.

Students entering college with conditions in preparatory work must first arrange to remove such conditions. While

removing conditions students may take such college work as they may be able to carry, but to be considered in regular college standing they must take at least eleven hours of college work.

## Student Advisers.

Upon his entrance to college each student will be assigned to a member of the faculty who will act as his adviser until he selects his major study. As soon as the student chooses his major subject, which must be at the beginning of the Sophomore or Junior year, the head of the department in which he is to do his major work will be appointed as his adviser for the remainder of his course.

The student adviser will act in an advisory capacity with the student in the selection of courses of study for each semester, as well as in outlining the work of the student for the college course. He will keep a complete record of the student's work in all departments. He may be consulted by the student in reference to anything connected with any of the varied interests of a college student's life. No study should be discontinued until written permission signed by the student adviser and the Dean of the college has been received. This written statement must be presented to the Instructor in charge of the work. The adviser will transmit to the faculty any request of the student concerning his work that requires a vote of the faculty. All such requests should be made in writing.

## Registration.

Tuesday of the opening week of the college year is registration day. Registration may be made previous to the day by special arrangement. For the second semester students must register during the last week of the first semester.

On registration day the student will present himself to the Dean and Registrar of the college, who will receive his certificate or other credentials from the school last attended. The student will receive from the Dean a registration card which must be presented, together with the tuition for the semester



or year, to the Acting Treasurer of the college. The receipted registration card should then be presented to the member of the faculty assigned by the Dean as the student's adviser. The student shall select his courses for the semester in consultation with the adviser. The adviser will transmit class cards to the instructors under whom the student is to do work. No assignment to classes will be made until the registration card has been receipted by the Acting Treasurer of the college. No student will be admitted to any class until his class card shall have been received by the instructor in charge of the class. The student's election card containing a list of the courses to be pursued during the semester will be transmitted to the Registrar by the adviser.

Failure to register at the appointed time will subject the delinquent to a special registration fee of \$1.

## Requirements for the Degree of Bachelor of Arts.

The college year is divided into two semesters. One hour of recitation or lecture per week, for one semester is designated a unit hour. Two hours of laboratory work or two hours of prescribed physical exercise in the gymnasium are credited as one unit hour. Students are expected to take thirty-two unit hours per year during the Freshman and Sophomore years, two of which may be class work in physical exercise. For graduation a total of 124 unit hours is required, four of which may be prescribed physical exercise.

No student will be permitted during one semester to receive a credit toward graduation of more than sixteen unit hours in regular studies except by permission of the faculty, obtained in advance. Students are not allowed to receive credit for more than eighteen unit hours in any one semester.

No student shall receive a Bachelor's degree until he shall have been in residence at least one year.

The 124 unit hours of recitation, lecture and laboratory work required for graduation include:

- (1) Courses required of all candidates for a degree.
- (2) Courses in the major subject; and
- (3) Elective courses.



## 1 Required Studies.

- (a) English, six unit hours to be taken in the first year.
- (b) Language, sixteen unit hours for those who offer at least three years of preparation, and twenty-four unit hours for those who offer only two years of preparation.
- (c) Bible, eight unit hours.
- (d) Philosophy, six unit hours.
- (e) Mathematics, six unit hours.
- (f) History, eight unit hours.
- (g) Natural Science, ten hours, to consist of a one-year course in either Biology, Chemistry or Physics.

## 2 Major Study and Thesis.

*Major study:* At the beginning of the Sophomore or Junior year each student shall select as his major subject the work of some one department in the college. This department will determine the manner in which the work of the major shall be completed; the work required in the major (including thesis and required work) shall not be less than twenty unit-hours, nor more than forty unit hours, the credit for the thesis being four hours. Any one of the following subjects may be chosen as a major: Philosophy; History; English; Biology; Mathematics; German; Latin; Chemistry.

*Thesis:* All candidates for a baccalaureate degree are required to present a graduating thesis, the subject of which must be approved by the head of the department in which the candidate is doing the work represented by the thesis. The thesis must represent some phase of the student's work in his major study, and must have the character of a scholarly dissertation on the subject. The thesis must be typewritten and bound according to specifications furnished by the Librarian of the college. It must be deposited in the College Library by June 1st. Before the thesis is accepted, it must be approved by the head of the department under whom the work has been done. When accepted, the thesis becomes the property of the college.

### 3 Electives.

All work not included under 1 and 2 is elective, but credit toward graduation shall not be given in one department for more than forty unit hours, including required work, major and electives. Not more than seventy hours credit may be received in the subjects included in any one of the following groups:

1	2	3	4
English	Biology	History	Psychology
German	Geology	Political	Education
Latin	Chemistry	Science	Ethics
French	Mineralogy	Political	Philosophy
Greek	Physiology	Economy	Logic
	Physics	Sociology	

Any course dropped without faculty consent obtained in advance shall be counted a failure in that course. When a student has failed or has been conditioned in a subject the work should be completed at as early a date as possible, and such work must take precedence over elective or advanced work. All failures and conditions must be made up before a degree will be granted.

### Studies of the Freshman Year.

At the beginning of the Freshman year each student shall elect, in consultation with the student adviser, one of the following groups of studies for the year's work:

I	II	III
English 3	English 3	English 3
Mathematics 4	Mathematics 3	Mathematics 3
German 4	Latin 5	Latin 4
History 4	History 4	Greek 5
Bible 1	Bible 1	Bible 1
IV	V	VI
English 3	English 3	English 3
Mathematics 3	Mathematics 3	Mathematics 3
Latin 5	German 4	German 4
German 4	Chemistry 5	Biology 5
Bible 1	Bible 1	Bible 1

Each student who chooses his major subject at the beginning of unit-hours for each Semester.

### The Sophomore, Junior, and Senior Years.

Each student who chooses his major subject at the beginning of the Sophomore year shall outline at that time, in con-

sultation with the head of the department in which he selects his major work, his course of study for the Sophomore, Junior and Senior years. A copy of the course of study shall be retained by the student adviser. The course may be changed at any time by the consent of the student adviser.

Students who do not choose their major study at the beginning of the Sophomore year will retain the student adviser or the Freshman year in consultation with whom they will select the work of the Sophomore year. At the beginning of the Junior year the work for the remainder of the course shall be outlined by the student and the head of the department in which the major work is chosen.

Suggested groups of studies are outlined after the description of the courses in the various departments in which major work is offered.

## Preparation For Professional Courses.

By a careful combination of the major system and required studies, Carroll College aims to secure two results for her students: To give that breadth of culture, extent of information, and training of the mental powers needed as a basis for all lines of activity; to provide each student the opportunity of becoming well acquainted with some field of knowledge that will specially prepare him for any line of professional study that he may intend to take up. To this end a number of suggested groups of studies have been outlined and placed after the descriptions of courses offered by the various departments.

### Teaching.

The department of Philosophy and Education offers a number of courses which are especially adapted to the needs of those who intend to enter the profession of teaching. The student that expects to obtain a thorough preparation for teaching any subject should choose that as his major study. Special teachers' training courses are offered by the various departments of instruction. These courses, together with the professional courses offered by the department of Education, form an important part of the groups of studies suggested for

those who desire to prepare for teaching. For these groups the student is referred to the description of courses in the various departments.

The school laws of Wisconsin provide that graduates of colleges whose courses of study are fully and fairly equivalent to corresponding courses in the University of Wisconsin may receive an unlimited state certificate upon recommendation of the State Board of Examiners. Acting under this provision the State Board has granted state licenses to the graduates of Carroll College. The teachers' course offered here is carefully planned to include all branches of study required by the state.

### **Medicine.**

The departments of Biology and Chemistry offer a number of courses which will be of great value to the student who enters a medical college. The laboratories of these departments are well equipped and the courses offered are designed to give the student a working knowledge of these sciences. Arrangements may be made in the near future which will enable the student to shorten the total number of years required to obtain the degrees of Bachelor of Arts and Doctor of Medicine. Groups of studies which are suited to the needs of the pre-medical students are described in connection with the courses in Biology and Chemistry.

### **Law.**

Students who expect to study Law should do their major work in the department of History and Political Economy. The newly established department of Sociology also offers courses which will be of especial value to the student of law. For suggested groups the student who contemplates the study of Law is referred to the statement of the department of History and Political Economy.

### **Theology.**

Students who expect to enter the ministry should have, in addition to a knowledge of the Bible, the Classics, Moral Philosophy, Psychology and History, an intelligent understanding of the laws of God as manifested in the material universe. The only way that a thorough acquaintance with nature and

her laws can be obtained is by a study of the fundamental sciences. Courses in theology do not form a part of the college curriculum, but work especially adapted to the prospective student for the ministry will be offered by the department of Sociology. Groups of studies adapted to individual needs will be arranged by the head of the department under whom the student chooses to do his major work.

### **Engineering.**

Carroll College does not grant technical degrees. Its courses include the mathematics, the fundamental sciences, and the modern languages which form an important part of all engineering and technical courses. These subjects must be mastered before the student can pursue more technical subjects to the best advantage. A young man can acquire by a course in Carroll College much information that is fundamental to all engineering courses, and so shorten his professional course, at the same time securing that culture, general information, and mental discipline which is so essential to men who are to be agents in the betterment of society, no matter in what line of work they may engage.

Many youths incline toward one or another of the technical callings, but do not wish to decide finally and at once. They may pursue a course of study which will serve as preparation for the preferred profession, but which will also count toward a different goal if their plans should change as they grow older and become better informed.

## Departments of Instruction.

The work of the college is organized under the following Departments of Instruction:

BIBLICAL LITERATURE.  
BIOLOGY.  
CHEMISTRY.  
ENGLISH.  
GERMAN AND FRENCH.  
GREEK.  
GEOLOGY.  
HISTORY AND ECONOMICS.  
LATIN.  
MATHEMATICS.  
ORATORY.  
PHILOSOPHY AND EDUCATION.  
PHYSICS.  
SOCIOLOGY.

### BIBLICAL LITERATURE.

PRESIDENT CARRIER; MRS. CARRIER.

The English Bible is made a text-book in the college, and the aim of this department is to familiarize the students with the Scriptures, giving them a good general knowledge of the history and teachings of the Bible. The courses are so arranged that in four years the whole Bible may be covered. Many portions of the Old and New Testament are studied carefully, while those of seemingly less importance are passed over hurriedly. Students are encouraged to ask questions, and difficult problems are freely discussed with the purpose of encouraging more independent thought and a firmer faith. Thorough and careful study is required and credit given toward graduation.

### BIOLOGY.

PROFESSOR GODDARD.

The central purpose of the work of this department is to furnish to the student opportunity for a study of the problems of life and its development, and to enable him to understand



the relation of these to important human interests. The subject of biology is regarded as a fundamental science. It furnishes in a special way the foundation for all the humanistic studies; such as psychology, pedagogy, history, economics, and sociology. All students interested in these lines are urged to take at least a year's work in biology; further study would be advantageous. This applies with special force to those who expect to take the Teachers' Course, where the biological point of view of education will be emphasized. It applies with equal emphasis to all having the ministry in view. The work of this department is in direct line with the technical subjects of medicine, agriculture and sanitation. Application to these lines will be emphasized wherever possible. With the completion of the new Rankin Hall of Science, the department has been provided with spacious and well-equipped laboratories, and with convenient class rooms fitted for demonstration and lantern illustration. See description of laboratories, page 16. Those desiring to do major work in this department will be required to complete courses amounting to a minimum of thirty unit hours. By such students the courses should be taken as nearly as possible in the following order: 11, 12, 13, 18, 14, 15, 16, 17, 19.

### 11 General Biology.

The purpose of this course is to furnish a foundation for all biological study. It is a prerequisite of most other courses of the department. It is well adapted to the needs of students who wish to get a general view of life and its problems, but who cannot give extended study to the subject. It should be taken by all students who have teaching or the ministry in view. The work consists mainly of lectures, or recitations, and laboratory work. Field trips for the collection of material, and for the study of the natural relations of plants and animals will be planned as time and weather conditions permit. The laboratory work includes a study of a series of plant and animal types, beginning with the simpler forms and proceeding systematically to those more complex. These studies furnish the basis of the lecture and recitation work, which aim to amplify the laboratory work and include a discussion of such topics as the origin and physical basis of life, the manifestations

of life as seen in the animal and plant cell, the structure and development of cells, the essentials of the life process, and the basis of evolutionary development. Such questions as variation, heredity, parasitism, symbiosis, metagenesis, and parthenogenesis are considered. The last few lectures of the year are devoted to a presentation of the theory of organic evolution. The zoological part of the work is given during the first semester, the botanical during the second. Students may begin the work at the opening of either semester. However, there are some advantages in beginning the first semester. The course is open to all college students.

*Two lectures or recitations and eight hours laboratory work per week throughout the year.*

*Lectures and Laboratory work 2:10—4:00. Ten unit hours.*

## 12 Vertebrate Zoology.

This course is closely related to the zoological part of Course 11; completing the survey of the animal kingdom begun in that course. This course also furnishes a valuable preparation for the course of Human Physiology. The work consists largely of laboratory work and lectures upon the anatomy, physiology and life relations of vertebrate animals. A detailed study of the frog and of the cat will be made to illustrate anatomy and physiology. A large amount of field work will be devoted to a study of the habits and life relations of birds, frogs, toads, fishes and other common forms.

Prerequisite Course 11.

*Lectures M., W., Four periods, two hours each, of laboratory and field work as arranged.*

*First semester. Five unit hours.*

## 13 General Botany.

This course completes the survey of the plant kingdom begun in Course 11. Classification, morphology, plant physiology, and ecology will receive attention. Field work will provide an opportunity for the study of habits and life relations. Flowering plants will receive special attention. Such topics as relation of plants to insects, useful and injurious plants, trees and shrubs will be studied.

Prerequisite Course 11.

*Lectures or recitations, M. W. Four periods, two hours each, of laboratory or field work as arranged.*

*Second semester. Five unit hours.*

#### **14 Human Physiology.**

This is a popular, general course, designed to meet the needs of those who cannot take further work, and at the same time, to serve as an introduction to more advanced courses. Students are strongly urged to precede this course by Course 12. The course will consist mainly of lectures and demonstration work, supplemented by some dissection, histology and microscopical work in the laboratory. Dissection of such organs as the heart, lungs and kidneys; a study of the injected circulatory system; and a microscopical study of the blood will form part of the work. The lectures will deal with the anatomy, physiology and hygiene of the human body, omitting, except in a very general way, the nervous system, which will be more fully treated in the course on Neurology. Practical questions of food, cooking, and sanitation will be discussed. The course will be of special value to those expecting to study medicine or to become teachers. It will also serve as a valuable preparation for the study of psychology.

*First semester. Three unit hours. Given in 1907-08 and on alternate years.*

#### **15 Neurology.**

This course is designed to complete the work of Course 14. It will include lectures, demonstrations, and laboratory work on the nervous system. The brain of the frog, of the cat, of the sheep, and of man will be studied, the plan of treatment being similar to that in Course 14.

Prerequisite, Course 14.

*Second semester. Three unit hours. Given in 1907-08 and on alternate years.*

#### **16 Histology and Embryology.**

About half the semester will be devoted to histology, and the remainder to embryology. The histology work will include a study of the methods of cutting, staining, and mounting of plant and animal tissue and a microscopical study of these. Study will also be made of mounted tissues, selected from

slides belonging to the department. This will be largely laboratory work, supplemented by discussions and quizzes in the class-room. The embryology will include a study of the embryonic development of vertebrate animals. This study will be illustrated in the laboratory by work on the development of the egg of a frog, a salamander, or a chick.

Prerequisite, Courses 11 and 12.

*Second semester. Three or five unit hours.*

### 17 Bacteriology.

A course intended to give training in bacteriological methods, and opportunity for the study of the nature, life histories and life relations of common bacteria. Experiments will be performed to show physiological characteristics and bacteriological examination will be made of air, water and milk. The relation of bacteria to decay, fermentation, souring of milk, ripening of butter, and to disease will be discussed. It will be a laboratory course, supplemented by lectures and quizzes.

Prerequisite Courses 11, 12, 13, 16.

*First semester. Five unit hours. To be given in 1908-09.*

### 18 Organic Evolution.

A lecture course outlining the theory of organic evolution and presenting some of the lines of evidence upon which it is based. The course requires no previous biological work, although the theory will be much more intelligible to students who have had Courses 11 and 16 in biology and Course 12 in geology. Illustrated by stereopticon slides.

*Lectures, Tu., F.*

*First semester. Two unit hours.*

### 19 Teachers' Course.

Field work and class room discussion designed for those who expect to teach botany or zoology in the high school. The field work will give a general survey of the plant and animal life of the region, including classification, habits and life relations. The class work will present a discussion of the pedagogical content of biology and the best methods of teaching the subject in the high school.

Prerequisite, Courses 11, 12, 13.

*Second semester. Two unit hours.*

## Suggested Groups with Major in Biology.

1		2		3	
Biology	30	Biology	30	Biology	30
Geology	6	Chemistry	20	Physics	10
Mathematics	6	Mathematics	6	Mathematics	6
English	6	English	6	English	6
Philosophy	6	Philosophy	6	Philosophy	15
German	16	German	16	German	16
French	8	French	8	French	8
Chemistry	15	Bible	8	Chemistry	10
Physics	10	History	8	Bible	8
Bible	8	Physics	10	History	8
History	8	Electives	6	Electives	7
Electives	5				
	<hr/> 124		<hr/> 124		<hr/> 124

Students who desire to pursue special lines of Agriculture will find that group 1 is well adapted to their needs.

Group 2 is planned to meet the wants of pre-medical students, and group 3 for prospective teachers.

## CHEMISTRY.

PROFESSOR HUTCHINS AND MR. BENSON.

The courses in Chemistry are designed to meet the needs of three classes of students: those who wish to gain an elementary knowledge of the subject as a part of a general culture course; those who intend to study Medicine or to pursue some technical application of science; those who intend to take up Chemistry as a profession and so desire a broad foundation for advanced study. The subject matter of Chemistry is of fundamental importance in everyday life and consequently forms an important part of a liberal education. For students intending to study medicine a good knowledge of Chemistry is necessary. Such students may well do major work in Chemistry. Courses 11 and 12 are essential for entrance to the best medical schools. Satisfactory completion of the courses outlined below will enable the graduate to enter universities or technical schools as a candidate for advanced degrees; to take up special work with a view of becoming a technical or analytical chemist; or, to engage in teaching Chemistry. The requirements for a major in Chemistry are, in addition to the thesis, 30 unit hours as a minimum. Courses 11, 12 and 13 are required of all who do major work in Chemistry. Course 11 should be taken in the Freshman year. Although there are no



prerequisites for Course 11 other than those for admission to the College, it is earnestly advised that those who elect Chemistry present one year of elementary Physics for entrance to the College.

### 11 General Chemistry.

The course consists of experimental lectures together with recitations and laboratory work on the chemical elements, their compounds, and the laws underlying chemical action. *First semester*: A systematic study of the history, occurrence, preparation, properties and compounds of the non-metallic elements. The fundamental principles, laws, and theories of chemistry are discussed at length. Especial emphasis is laid upon chemical notation, nomenclature, and terminology. In the laboratory quantitative relations are emphasized. *Second semester*: A continuation of the work of the first semester. Tests for the common acids; the occurrence, extraction, compounds, tests and separations of the metals; classification of the elements according to the periodic law; preparation of pure salts. Accuracy, neatness and honesty in the laboratory work will be insisted upon.

*Two lectures, two recitations, and six hours laboratory work throughout the year. Ten unit hours.*

*M., Tu., Wed. and Th., 11:10. Laboratory, Tu., Wed. and Th., 2:10—4.*

### 12 Qualitative Analysis.

A laboratory course in the detection and separation of inorganic substances. The reactions of the common metals and acids will be studied. Especial attention will be given in the recitations and lectures to the principles involved in the laboratory work. The theories of solution, precipitation, reduction, oxidation, mass action and chemical equilibrium will be emphasized. Seventy-five unknown substances will be analyzed by each student. Open to students who have completed Course 11 or its equivalent.

*Two recitations or lectures and nine hours laboratory work per week.*

*First semester. Five unit hours.*

*Tu. and Th., 10:15. Laboratory, Tu., Wed., Th., 8—9:50; Sat., 8—12.*



### 13 Elementary Quantitative Analysis.

A laboratory course involving the general methods of Gravimetric and Volumetric Analysis and the preparation of pure salts. Each student will determine gravimetrically a number of typical elements in pure salts, alloys and minerals. The latter part of the course will be devoted to Volumetric Analysis. A study of acidimetry and alkalimetry, as well as the oxidation, reduction, and precipitation methods of Volumetric Analysis will be made. The determinations are carefully selected and are designed to give the students as wide a range as possible of the typical methods of quantitative manipulation.

Prerequisite, Course 12.

*Two recitations or lectures and ten hours laboratory work per week.*

*Second semester. Five unit hours. Hours to be the same as those of Course 12.*

### 14 Quantitative Analysis.

This course is intended to give a more comprehensive knowledge of Quantitative Analysis than can be obtained in an elementary course. The work will consist of the analysis of alloys, minerals, and technical products. The laboratory work will be varied to meet the needs of individual students.

Prerequisite, Course 13.

*Ten hours laboratory work and two lectures per week.*

*First semester. Five unit hours. M., Tu., Wed., Th., 8—9:50; Sat., 8—12.*

To be given in 1907-08 and alternate years.

### 15 Gas and Water Analysis.

Sanitary and mineral analysis of water; urine analysis; gas analysis; food analysis; analysis of other technical products. While this course is intended primarily for water analysis the laboratory work will be varied, if desired, to meet individual needs. This course is intended to follow Course 14, the two making a full year's work in advanced Quantitative Analysis. They are intended primarily for those who intend to follow Chemistry as a profession. The laboratory work will be modi-

fied so as to meet the needs of students who intend to study medicine. Prerequisite, Course 13.

*Ten hours laboratory work and two lectures or recitations per week.*

*Second semester. Five unit hours. M., Tu., Wed., Th., 8—9:50; Sat., 8—12.*

To be given in 1907-08 and alternate years.

## 16 Organic Chemistry.

Systematic study of the aliphatic and aromatic compounds of carbon. Recitations and lectures with regular written reviews. Laboratory work in preparation of representative compounds of the important series of organic compounds and their identification. Open to students who have completed Courses 12 and 13.

*Two lectures, two recitations and six hours laboratory work per week.*

*First semester. Five unit hours.*

To be given in 1908-09 and alternate years.

## 17 Theoretical and Physical Chemistry.

Lectures, recitations, laboratory work and collateral reading. The lectures will give an elementary but systematic view of the subject of Physical Chemistry. Atomic and molecular weight determinations, the periodic law, the theories of solution, chemical dynamics, speed of reaction and mass relations, thermo-chemistry, electro-chemistry, and photo-chemistry will be discussed. Prerequisites, Courses 12, 13 and 16, and elementary Physics.

*Two lectures, two recitations and six hours laboratory work per week.*

*Second semester. Five unit hours.*

To be given in 1908-09 and alternate years.

## 18 Chemical Preparations and Research Work.

Students making Chemistry their major study may do work leading to a baccalaureate thesis. *Credit according to the amount and quality of work done.*

*Throughout the year at hours to be arranged.*

## 19 Teachers' Course.

This course consists of laboratory work, conferences, and reference work upon assigned topics. Credit according to the amount of work done. The work in this course will be done in connection with Course 17, Department of Philosophy and Education.

Prerequisites, Courses 11, 12 and 13, and elementary Physics.  
*Throughout the year at hours to be arranged.*

In the courses of Chemistry especial emphasis will be laid upon the experimental side of the science. Students will be encouraged to learn facts by experiment and so to become investigators from the very beginning.

## Suggested Groups with Major in Chemistry.

1	2	3	4
Chemistry	30 Chemistry	30 Chemistry	30 Chemistry
Mineralogy	5 Biology	10 Physics	14 Mathematics
Geology	6 Histology	5 Education and	Physics
Physics	10 Bacteriology	5 Philosophy	15 Philosophy
Mathematics	6 Physics	10 Physiology	5 Political
English	6 Mathematics	8 Mathematics	6 Economy
German	16 English	6 English	6 History
French	8 German	16 German	16 English
Bible	8 French	8 French	8 German
Philosophy	6 Thesis	4 Bible	8 French
History	8 Bible	8 History	8 Bible
Thesis	4 Philosophy	6 Thesis	4 Thesis
Electives	11 History	8 Electives	4 Electives
124	124	124	124

Group 3 is especially adapted to students who expect to teach Chemistry, or Chemistry and Physics.

Group 2 will meet the needs of those who expect to study Medicine.

Groups 1 and 4 are well adapted to students who intend to study engineering. Course 4 is intended to lay a broad foundation for students who may wish to fit themselves for executive positions in some manufacturing industry. Students intending to follow Chemistry as a profession may select any one of the groups. The groups are subject to alteration to meet individual needs.

## ENGLISH.

PROFESSOR STARR; PROFESSOR KIEHLE.

In the courses offered by the department of English three objects are contemplated :

(1) A knowledge of the origin and development of the English language.

(2) An acquaintance with English and American literature.

(3) Proficiency in expression.

(1) The language is treated as a vital growth, a living organism, presenting successive stages of development corresponding to the successive stages in the development of the race. (2) The literature is treated as the reflection of the life of the nation, the artistic expression of the intellectual and spiritual forces that have entered into the formation of the national character and institutions. (3) From the study of masterpieces of prose and poetry it is sought to determine correct principles of expression and style, and, by the application of these, to develop the power of clear and effective expression. In general, the study of literature forms a part of the courses in composition, and practice in composition, a part of the courses in literature. Of the courses offered below, 11 and 13 are fundamental, and are intended to lay a foundation for the more advanced elective courses. In any year the particular courses to be given will be determined by the needs of the students desiring to elect work in the department.

**11 Rhetoric and Composition.**

This course consists of drill in paragraph and sentence construction, the preparation and criticism of written compositions, and prescribed readings, the purpose being to develop correctness of expression, the sense of literary form, and just critical standards.

*Required of Freshmen. Three hours a week, through the year.*

**12 Advanced Rhetoric and Composition.**

A study of the forms of discourse. This course is designed to bring the student into contact with the finer elements of style, and, in conjunction with one of the advanced courses in

literature, to secure the development and application of correct standards of criticism and expression.

*One hour a week, through the year.*

### 13 History of English Literature.

A survey of the development of the English language and of the history of English literature, with study of individual authors and representative works. Moody and Lovett's *History of English Literature*, or an equivalent text, forms the basis of the work. Collateral reading and individual reports on assigned topics are required.

*Three hours a week, through the year.*

#### 14 a. Old English.

Anglo-Saxon grammar and reader. Selections from old English prose and poetry. The history of the English language, and the beginning of English culture.

*Three hours a week, first semester.*

#### 14 b. Middle English.

A continuation of Course 14a. This course is devoted to the literature of the fourteenth century, with special attention to the works of Chaucer and Langland, the metrical romances, and the beginning of the drama. It includes the reading of Langland's *Piers Plowman* and Chaucer's *Canterbury Tales*.

*Three hours a week, second semester.*

### 15 American Literature.

A study of American literature, both prose and poetry, with special emphasis upon its relation to American life and thought, and to contemporary English literature. Consideration of American periodical literature, including the newspaper, will form a part of this course.

*Two or three hours a week, through the year.*

### 16 English and American Essayists.

A consideration of the development of the Essay as a definite literary form, with reading of the works of nineteenth century essayists. Lectures and individual reports.

*Two hours a week, through the year.*

**17 English Poetry of the Nineteenth Century.**

Lectures, together with assigned readings and reports on individual topics. A study of the principles of poetics.

*Two or three hours, first semester.*

**18 The Novel.**

A survey of the development of narrative literature, with special reference to the modern novel. Extensive reading and analysis of selected works.

*Two or three hours, second semester.*

**19 Teachers' Course.**

A study of the works required for the college entrance examinations in English. Lectures, papers and class room discussions, and practice teaching. To be taken with Education 17.

For courses in Shakespeare, see Department of Oratory and Dramatic Literature.

**Suggested Courses with Major in English.**

English	24	English	24	English	20	English	20
Dramatic Literature	8	German	16	History	16	Latin or French	16
French or Latin	8	French or Latin	8	Dramatic Literature	8	German	16
German	16	History	8	German	16	History	8
Philosophy	6	Philosophy	6	Mathematics	6	Mathematics	6
History	6	Mathematics	6	Philosophy	15	Philosophy	6
Mathematics	6	Chemistry	10	Science	10	Science	10
Science	10	Biology	10	Bible	8	Bible	8
Bible	8	Bible	8	Electives	25	Electives	34
Electives	30	Electives	28				
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**GERMAN AND FRENCH.**

PROFESSOR EDDY.

In planning the courses for this department an effort has been made to combine classical training with a practical knowledge of German and French as living languages. The masterpieces of the two languages are critically studied in such a way as to lead the student to a clear appreciation of the literary development of the two nations, and to help him to interpret clearly the thought of their great writers, and to understand



the inner life of these peoples as revealed in their literature. While giving preëminence to modern languages as aids to the broad, liberal culture of college training, an effort is made to give such a command of the languages as will be of value in practical, everyday life. It is frequently urged against the modern language courses of American colleges that, while students may be able to read the works of the great authors, their knowledge is of no service in travel, in business life, or in independent literary work. It is the object of this department to meet this criticism by giving something practical; by training not only the eye, but the ear, and above all, the tongue. German and French are as far as possible the language of the class room, and students are encouraged to think, speak, and write in the foreign idiom. Special aid is given to those who wish to make use of the languages in scientific research.

## German.

### 11 Freshman German.

*Wilhelm Tell*, Schiller. *Eine Gutsgeschichte*, Selma Lagerlöff. *Röschen vom Hofe*, Spielhagen. *Selections from Goethe's Poems*, Harris. *Stein's German Exercises*, Part II.

Supplementary reading: *Die Chemie in wirklichem Leben*, and Carmen Sylva's *Aus meinem Königsreich*.

As in the preceding year much time is devoted to conversation and the students are taught terms and forms used in travel, in business and in social life. Poems are memorized, and supplementary reading required.

*Four hours per week, throughout the year.*

### 12 College Beginning German.

For the benefit of students who enter college with no knowledge of German, a special class is formed which covers two years' work in one year and prepares for the regular Freshman German. Thomas' *Practical German Grammar*; Mueller and Wenckebach's *Glück Auf*; Hillern's *Höher als die Kirche*; Zschokke's *Der zerbrochene Krug*; Storm's *Immensee*.

*Five hours per week, throughout the year.*

**13 Sophomore German.**

Keller's *Bilder aus der deutschen Literatur*, with further study of authors. Freytag's *Soll und Haben*. Goethe's *Faust* or Scheffel's *Eckehard*, Schiller's *Ballads*, Heine's *Harzreise*.

Supplementary reading: *Lichtenstein*, Hauff. *Gösta Berling*, Selma Lagerlöf. *Die chemie im täglichen Leben*. *Das Lied von der Glocke*, Schiller.

During the year the practical work is continued along the lines indicated above. *The Birds' Christmas Carol* is used for translation into German. During the spring term Friedrich's comedy *Das Gänschen von Buchenau* is presented by the members of the class.

*Four hours per week, throughout the year.*

**14 Lessing.**

*Nathan der Weise*. *Emilia Galotti*, and selections from *Laocoon*. A study of Lessing as a critic and of his influence upon the development of a national drama. An elective course for those who have had courses 11 and 13. *First Semester, three hours a week. Given in alternate years with Course 16.*

**15 Goethe.**

A critical study of the different periods of Goethe's literary activity. *Second semester, three hours a week. Given in alternate years with Course 16.*

**16 Contemporary German Literature.**

A study of novels, lyrics and dramas of the modern period portraying the social and political tendencies of the times.

*First and second semester, three hours a week. Given in alternate years with Courses 14 and 15.*

**Suggested Groups with Major in German.**

German	24	German	24	German	24
French	16	Latin	16	English	18
English	12	English	6	French	8
History	8	French	8	Philosophy	15
Mathematics	6	Philosophy	15	History	8
Science	10	History	8	Mathematics	6
Philosophy	6	Mathematics	6	Science	10
Bible	8	Science	10	Bible	8
Electives	34	Bible	8	Electives	27
		Electives	23		
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	124		124		124

## French.

### 11 Introductory French.

Chardenal's Grammar, *Pour lire seul*, D'Allonne; *Colloquial French*, Swan; *La Tache du petit Pierre*, Mairret; *La Tulipe noire*, Dumas.

The aim of this year's work is to give to the student an accurate knowledge of the grammar, to enable him to read moderately difficult French, and to train the ear and tongue. Especial effort is made to have the students acquire facility in conversation.

*Four hours a week, throughout the year.*

### 12 (a) Advanced French.

Fortier: *Histoire de la Litterature Francaise*; Nineteenth century prose and verse; Hugo, Merimee, About, Daudet, Halévy, Rostand. Presentation of a French play.

### (b) Advanced French.

Continuation of course 12a. Classic drama: Molière, Racine Corneille. Courses 12a and 12b constitute a year's work. Advanced French Prose Composition: Francois.

*Four hours a week, throughout the year.*

## GREEK.

PROFESSOR FLATTERY.

The Greek department aims to cultivate an appreciation of the value of Greek Literature, along with the mastery of linguistic principles. Special emphasis is placed upon sight reading so as to enable the student to read rapidly and thereby become familiar with the particular style of the different authors. Topical readings are assigned to give an insight into the social and political forces that contributed to the development of Greek Literature.

### 11 Elementary Greek.

Stress is placed upon inflections and grammatical forms. The main rules of syntax are mastered and the *Anabasis* begun. Frequent reviews are given to insure a solid foundation.

*Freshman year; five hours per week.*

## 12 Xenophon and Homer.

Four books of the *Anabasis* are completed. One hour each week is devoted to Prose Composition. Three books of Homer's *Iliad* or of the *Odyssey* are read during the second semester with inductive study of Homeric forms and assigned readings on the life and literature of Homeric Greece.

*Sophomore year; five hours per week.*

## 13 Lysias and Demosthenes.

A study of the rise and development of Greek oratory with analysis of the thought and style of selected orations.

*Three hours per week, throughout the year.*

## 14 Sophocles, Euripides and Aeschylus.

One play of each tragedian is read with special study of the origin, structure, and spirit of the Greek drama and of its relation to the drama of modern times.

*Three hours per week, throughout the year.*

Courses 13 and 14 are offered alternately in the Junior year.

## 15 Special Greek.

For students who wish to do extra work in Greek a class is formed which covers Courses 11, 12, and 13 in two years. Only those who are very strong in other departments of work and who have ample time for preparation are admitted to this class.

## GEOLOGY.

PROFESSOR GODDARD.

The object of this department is to provide opportunity for the study of earth problems. It is aimed to present the work in such a way that the study will contribute toward general culture and at the same time afford a foundation for more extended work in this line. Endeavor is also made so to shape the work that it will give training for the teaching of geography and physiography in the high school. The department has quarters in the east end of the second floor of Rankin

Hall of Science, arranged conveniently for both class room and laboratory work. Illustrative material is being added to the department each year. See description of geological laboratory.

### 11 Physiography.

This course is designed to furnish an introduction to a general course in geology and is continued in the second semester under the head of Structural and Historical Geology. Earth features will be studied as to their origin and significance. Agencies now at work on the earth and the laws and results of their operation will be discussed. A brief study of rocks and minerals will be made in the laboratory. Frequent use will be made of topographic maps, and other maps and charts for illustration. Some time will be devoted to the study of the atmosphere and the hydrosphere. Frequent field trips will be made to points of geographical interest, and in connection with these, collections of rocks and minerals will be required of each student. Topics for special study will be assigned each student from time to time. General Chemistry and Course 11 in Biology should precede this course if possible.

*Class work M., W., F. Field trips on Saturday and after four o'clock.*

*First semester. Three unit hours.*

Given in 1908-9, and on alternate years.

### 12 Structural and Historical Geology.

A general course designed to complete the work of Course 11. A study will be made of the origin of the earth, the structure of its crust, the character and distribution of the successive rock formations, and the life associated with these. The plan of treatment will be similar to that outlined under Course 11. A collection of rocks, minerals and fossils will be used for frequent illustration, together with the Geological Atlas of Wisconsin, the folios of the Geological Atlas of the United States, and many other maps and charts. A large collection of state and government publications will furnish excellent means for the study of special topics. These include the four-volume work on the Geology of Wisconsin, the publications of the State Geological and Natural History Survey, and

many of the publications of the U. S. Geological Survey. Field work will be carried on at intervals throughout the semester and a trip of several days to some point of special geological interest will be planned for the latter part of the semester.

Prerequisite, Course 11.

*Class work on M., W., F. Field trips on Saturday and after four o'clock.*

*First semester. Three unit hours.*

Given in 1908-9, and on alternate years.

## MINERALOGY.

PROFESSOR HUTCHINS.

The work in Mineralogy will be well adapted to the students of Chemistry or Geology. It will also meet the needs of students who expect to study engineering.

### 11 General Mineralogy.

This course will include a study of crystallography, descriptive and determinate Mineralogy, and blow-pipe analysis. The work will consist of lectures, recitations and laboratory practice. A large part of the work in the laboratory will consist of the identification of a number of mineral specimens.

Prerequisites, Chemistry 11 and 12, and Trigonometry. Chemistry 12 and Mineralogy may well be carried on at the same time.

*First semester. Five unit hours.*

To be given in 1908-9 and alternate years.

## HISTORY AND ECONOMICS.

PROFESSOR GANFIELD.

### History

The study of history in a wide sense includes all departments of social life, political, economic, religious and others. The state is, however, one of the most important features of social development; the study of political life is of very great



value to citizens of a republic. While in the following courses, special attention will be given to the political history, the aim will be also to acquaint the student carefully with the social customs and conditions, the industrial pursuits and the religious institutions. By this method it is hoped to make the study itself of greater interest and to furnish the student with a better understanding of our present civilization, because many of the customs and institutions, and even the problems, of the present time have such intimate connection with the past that they can be understood only by careful study of their origin and growth. By this method it is hoped as well that the student may be helped to a more perfect and careful interpretation of the political history itself; for every department of the life of the people is influenced by every other, and the political life and practices of any period can be understood only by noting carefully the history of that people and, as well, their social, industrial and religious institutions and the influence of these upon their politics. The presentation of the following courses in this department have then these objects: to acquire a knowledge of the subject for its own sake; to broaden the view and discipline the memory, imagination, judgment and sympathy of the student; to discover the origin and growth of both the good and the evil in our modern civilization; so carefully to interpret the past, if possible, that lessons may be drawn from it for the present: in simple—to try to interpret and understand the present civilization in the light of history, and, finally, to give a proper equipment to such students as expect to become teachers of history. The methods of instruction varying somewhat with the different courses, include text-book work, lectures, readings and taking of notes on assigned topics, preparations of theses and essays, map work and use of original sources.

### 11 Constitutional, Political, and Social History of England.

This course will be divided into groups of subjects on the basis of the contents of Terry's *History of England*.

a—Teutonic England—The Era of National Foundation.

b—Feudal England—The Era of National Organization.

c—National England—The Era of National Awakening.

(a) The Social Awakening.

(b) The Religious Reformation.

(c) The Political Revolution.

d—Imperial England—The Era of National Expansion.

Special consideration will be given to such subjects as the following:

The Growth of the Parliamentary Constitution and the Rise of Cabinet Government.

The Struggle against Royal Despotism and the Rise of the Commons as a factor in Government.

The Influence and Character of the Renaissance and Reformation.

The Place and Power of Puritanism.

Motives and Methods of English Colonization.

Growth of Democracy and Parliamentary Reform.

Relation of England to Ireland and Home Rule.

Modern Industrial Development.

Gardiner—*Student's History of England*.

Terry—*A History of England*.

Readings and Sources.

*First semester. Four hours. (Omitted in 1907-8.)*

## 12 Survey of the Colonial, Constitutional, and Political History of America.

*Epochs of American History* will be used as a basis for the study, supplemented with lectures, readings, etc. Each student will be expected to do a prescribed amount of reading in reference works and to write essays and papers on selected subjects. The study will divide into two main divisions; the first down to 1789, and the second from that date to the present time.

*Four hours, second semester. (Omitted in 1907-8.)*

## 13 Mediaeval and Modern Europe.

European History from the Germanic Migrations which broke up the Roman Empire in the West to the Congress of Vienna. Special attention will be given in this course to the History of Germany and France, with lectures and references sufficient to furnish the student with a knowledge of the rise and de-

velopment of other countries of Europe and of their relation to the progress of civilization. The Religious Reformation and the French Revolution will receive very full consideration, while more than usual attention will be devoted to such other subjects as:

The Germanic Migrations and the Break-up of the Empire.

The Establishment of the Kingdom of the Franks.

Germanic Ideas of Law and Customs.

The Feudal System.

Extension of the Church and Conflict between the Papacy and Europe.

Rise and Conquest of Mohammedism.

The Crusades.

The Growth of the French Monarchy.

The Napoleonic Wars.

The Decay and Fall of the Holy Roman Empire.

The Congress of Vienna.

Emerton's *Introduction to the Middle Ages*.

Robinson's *History of Western Europe*.

Fisher's *History of the Reformation*.

Gardiner's *French Revolution*.

*Four hours, throughout the year.*

#### 14 History of Recent Times.

This course will begin with the rearrangement of Europe by the Congress of Vienna, and will trace the influence of the Revolutionary movement and spirit on the several countries of Europe, the unification of Italy and Germany, and the development of Russia. It will involve a consideration of many interesting and perplexing questions in European life and politics, and will lead to a discovery of the conditions in the home countries whence come many immigrants to America. The course will close with a series of lectures and studies on "Europe and the World of Today."

European History from 1815 to the Present day.

Seignobos' *Political History of Europe since 1814*.

Fyffe's *History of Modern Europe* and Sources.

*Four hours, throughout the year. (Omitted in 1907-8.)*

### 15 History of Ancient Civilization.

This course will aim to do just three things:—first, to furnish a thorough preparation for teaching Ancient History in High Schools; second, to provide the students looking forward to professional or public life an understanding of the history of ancient peoples and the character of their civilization; and, finally, to aid the student of history and politics to interpret the character and contribution of the ancient nations to the general civilization of the race. The method will include; first, a survey of the history of the ancient nations; second, a study of the content and character of the ancient civilizations and of their contribution to history. In this last an effort will be made to discover and realize the significance of the Hebrew, and Grecian, and Roman elements in European and modern civilizations.

*Four hours, throughout the year.*

## Law and Politics.

The courses in this department have to do with states and their relations to each other; with governments, their forms and workings and institutions; and with related subjects. The work aims to cultivate breadth of view and sound thinking on governmental and political questions, to promote good citizenship, to furnish a preparation for the study of law and for the teaching of civil government, and to provide a training which shall be helpful and useful to those who may enter a business career or professional life. The courses in history are arranged as a preparation for the work in this department.

### 16 International Law.

This course will afford a careful study of the laws of war, peace, and neutrality, together with a consideration of the proposed plans of arbitration. Particular attention will be given to cases in which the United States has been directly interested, and the students will frequently be referred to such cases as are found in Scott's *Cases on International Law*. At-

tention will also be directed to the related subject of Diplomacy and to the place and power of America in the affairs of states.

Woolsey—*International Law*.

Lawrence—*Principles of International Law*.

*Four hours, throughout year.*

### 17 Administrative and Business Law.

This course will consist largely of lectures, with taking of notes and reading of assigned works and references. The course does not aim to fit the student for an examination at the bar or to be his own lawyer; but rather to furnish a fair acquaintance with those legal principles and ideas which are involved in ordinary business affairs, and thereby to furnish him with such useful information as will enable him to know when he ought to consult a lawyer in order to avoid business pitfalls. Some of the subjects considered will be the following: Contracts; Agency; Acquisition of Property and Transfer of Same; Wills; Deeds; Bankruptcy and Insolvency; Insurance; Negotiable Paper; Partnership; Stock-Companies; Corporations; Common Carriers; Domestic Relations and Wrongs.

*Four hours, second semester.*

### 18 Comparative and Practical Politics.

The class work will be based largely on Wilson's *The State*, and Bryce's *American Commonwealth*. Lectures and references will supplement these texts. The course will furnish the student a comparative study of governments and their workings with special attention to the United States, England, France, Germany and Switzerland. Some time will be given to the history of political theories and the general principles of politics. During the second semester consideration will be especially directed to forms of local government and to municipal institutions; to political parties and their organization and power in American life; and, finally, to modern problems of politics and municipal administration.

*Four hours, throughout the year.*

## Political Economy.

### 19 General Course.

This will consist of recitations with frequent written and oral tests, and of occasional lectures with assigned readings from standard authorities. The aim will be to give a thorough drill on the fundamental principles of the science. In addition, the student will be expected to prepare one or more papers on such subjects as: Land and Rent, Protection and Reciprocity, Labor and Wages, Enterprise and Profits, or other subjects of equal importance.

During the last half of the year special attention will be devoted to such subjects as: Modern Industrialism, The Modern Distributive Processes, and problems arising therefrom.

*Four hours a week, throughout the year. (Omitted in 1907-8.)*

### 20 Descriptive Political Economy.

a—Money, Bimetallism, and Banking.

b—Taxation, Transportation, and Socialism.

This course will consist of one semester of study on each of the series of subjects under "a" and "b" above.

In the series "a" the class will use:—

Scott: *Money and Banking.*

Dunbar: *The Theory and History of Banking.*

Laughlin: *History of Bimetallism in the United States.*

In the series "b" the student will use:—

Seligman: *Essays in Taxation.*

Johnson: *American Railway Transportation.*

Ely: *Socialism and Social Reform.*

The object of presenting these several subjects is to give the student a larger study of these very important and practical subjects than can be furnished in the single year allotted to the general course, and, at the same time, not to devote so much time or attention to any one subject that the student will be compelled to omit others entirely.

*Four hours a week, throughout the year.*

One year of work in Politics or in Practical Sociology may be classed with the work in Economics by students seeking to do major work in this department.



## Groups with Major in History.

1	2	3	4	
History	32 History	24 History	24 History	24
Philosophy	12 Sociology	16 English	16 Political Ec.	16
Mathematics	6 English	12 Mathematics	6 Sociology	8
Biology	10 Mathematics	6 Philosophy	15 English	6
Chemistry	10 Philosophy	12 Biology	10 Mathematics	6
German	16 Science	10 Chemistry	10 Philosophy	6
Latin or	German	16 German	16 Science	10
French	8 Latin or	Latin or	German	16
English	6 French	8 French	8 Latin or	
Bible	8 Bible	8 Bible	8 French	8
Electives	16 Electives	12 Electives	11 Bible	8
			Electives	16
	<hr/> 124	<hr/> 124	<hr/> 124	<hr/> 124

Groups 1 and 2 are especially adapted to the needs of those who contemplate the study of law.

Group 3 is designed to meet the needs of those who may desire to prepare to teach History and English in the High Schools.

## LATIN.

PROFESSOR W. L. RANKIN.

The aim of the courses in this department is to give the student a clear conception of the genius of the Latin language, an accurate knowledge of its form and structure, and the ability to read its masterpieces with intelligent appreciation. The work involves and produces also familiarity with the essential facts and lessons of Roman history, the characteristics of Latin literature, and the conditions prevailing in Roman public and private life. Illustrated lectures are given on Rome and the Roman people. The courses for the Freshman year are made especially strong by allowing, outside of the four hours spent in the interpretation of Latin authors, one hour a week for auxiliary work along grammatical and historical lines. These one-hour courses are also open to students from other classes.

11 *Livy.*

Selections from Books 1, 21, 22. Special points of emphasis: grammatical construction, the Roman monarchy, the rise and growth of Roman institutions, the period of the Punic wars.

*Freshman year. First semester. Four hours a week.*

**12 Prose Composition.**

Review of Grammar, syllabus of Latin constructions, oral and written exercises in Latin composition. To accompany Course 11.

*Freshman year. First semester. One hour a week.*

**13 Cicero and Ovid.**

*De Senectute* and *De Amicitia*. Careful tracing of all historical allusions. Outline of Roman Philosophy. Selections from *Metamorphoses* of Ovid for rapid reading.

*Freshman year. Second semester. Four hours a week.*

**14 Roman History and Roman Life.**

Studied in general outline by lectures and texts. To accompany Course 13.

*Freshman year. Second semester. One hour a week.*

**15 Horace.**

Four Books of the *Odes*. *Carmen Saeculare*. Selections from the *Satires*.

*Sophomore year. First semester. Three hours a week.*

**16 Horace and Tacitus.**

Selections from the *Epistles* of Horace and the *Annals* of Tacitus.

*Sophomore year. Second semester. Two hours a week.*

**17 Roman Correspondence.**

Selected letters of Cicero and of Pliny the Younger.

*Junior year. First semester. Two hours a week.*

**18 Roman Comedy.**

Selected plays of Plautus and Terence.

*Junior year. Second semester. Two hours a week.*

**19 Catullus.**

Selected Poems.

*Junior and Senior years. First semester. Two hours a week.*

**20 Lucretius.**

*De Natura Rerum.* Parts of Books 1 and 2.

*Junior and Senior years. Second semester. Two hours a week.*

**21 Sight Translation.**

For practice in rapid reading of easy Latin.

Selections from standard authors.

*First semester. One hour a week.*

**22 Latin Literature.**

Lectures and text-book study.

*Second semester. One hour a week.*

**23 Teachers' Course.**

A special course will be given in preparation for the teaching of Latin, to be taken in connection with Education 17.

**Suggested Groups with Major in Latin.**

Latin	20	Latin	20	Latin	20
German	16	Greek	20	History	16
French	8	French	8	French	8
English	12	English	6	English	6
Philosophy	15	Philosophy	15	German	16
History	8	History	8	Philosophy	15
Mathematics	6	Mathematics	6	Mathematics	6
Science	10	Science	10	Science	10
Bible	8	Bible	8	Bible	8
Electives	21	Electives	21	Electives	19
	<hr/>		<hr/>		<hr/>
	124		124		124

**MATHEMATICS.**

PROFESSOR RAY; ASSISTANT PROFESSOR GIBBONS.

The following courses in Mathematics will provide material for such training and culture as may be deemed essential to every symmetrically developed mind, and will prepare the student for the various branches of science in which mathematical analysis is employed.

Students who intend to specialize in any department of Applied Mathematics should not omit any branch of Pure Mathematics which may be necessary to equip them properly for their chosen field.

### 11 Algebra.

Required of Freshmen. The course begins with a review of various subjects of Elementary Algebra with stronger requirements in matters of development than is possible in a beginning course. The more advanced work may include the progressions, ratio, proportion and variation, binomial theorem, logarithms, series, probability, graphical representation, and solution of equations. Students presenting one and a half units at entrance may have additional subjects or may compass the course in three hours per week.

*First semester. Four hours per week.*

### 12 Trigonometry.

Required of Freshmen. Students must have completed Plane and Solid, including Spherical, Geometry. The coordinates of a point and their relation to the change of angle at the point of origin are first presented; then the functions of an angle and thorough drill upon the equations involving the functions, and the application of these equations to the solution of the right triangle, with and without the use of logarithms. The development of all formulas used in the solution of all triangles receive especial attention. An introduction to Spherical Trigonometry, and the solutions of spherical triangles form part of the course.

*Second semester. Four hours per week.*

### 13 Geometrical Conics.

Students presenting required credits without Solid Geometry may include it with this course to make a three-hour course for one semester.

*Either semester. One hour per week.*

### 14 Analytic Geometry.

Open to students who have had courses 11 and 12. Following the general conception of the variable and its relation to graphics, the behavior of functions is presented with both rectangular and polar co-ordinates. The conic sections as a group of curves are discussed, as well as the geometric properties of the individual conics. The elements of three-dimensional geometry are included in the course.

*Both semesters. Two hours per week.*

**15 Elementary, Differential and Integral Calculus.**

Open to students who have had course 14.

All students who wish to go beyond the elements of the physical sciences should take this course, as the modern treatment of these subjects is based largely upon the Calculus.

*First and second semester. Three hours per week.*

**16 Differential Equations.**

Open to students who have had course 15. Recommended to those who wish to specialize in Mathematics or Physics.

*First semester. Three hours per week.*

**17 Projective Geometry.**

*Second semester. Three hours per week.*

**18 Descriptive Geometry.**

Problems relating to points, lines, planes and surfaces of revolution.

*First semester. Three hours per week.*

**19 Elements of Surveying.**

Field practice with compass, level and transit, with platting and calculation of field work.

*Second semester. Three hours per week.*

**20 Determinants, Quaternions and Theory of Functions.**

*Elective two-hour semester courses.*

**21 Teachers' Course.**

For those who are preparing to teach any branch of mathematics a special course is offered with a credit of one unit hour, this course to be taken in connection with Education 17.

## Suggested Groups with Major in Mathematics.

1		2		3	
Mathematics	20	Mathematics	20	Mathematics	20
Physics	14	History	16	Physics	14
Chemistry	15	German	16	Philosophy	15
Mineralogy	5	French	8	Chemistry	15
Geology	6	Physiology	6	Physiology	6
German	16	Biology	10	German	16
French	8	Chemistry	10	French	8
English	6	English	6	English	6
History	8	Philosophy	6	Bible	8
Philosophy	6	Bible	8	History	8
Bible	8	Electives	18	Electives	8
Electives	12				
	<hr/> 124		<hr/> 124		<hr/> 124

Group 1 may be taken as a pre-engineering group.

Groups 2 and 3 would be suitable for those who are preparing to teach.

## ORATORY AND DRAMATIC LITERATURE.

PROFESSOR M. N. RANKIN.

## Oratory.

The purpose of this department is personal development in expression, either as general culture, or as preparation for public speaking. The study of great orations and the attempt to render them involves: analysis, interpretation, dramatic sympathy, appreciation of literary style, ability to work with an audience. After studying examples of the various forms of address, application of the principles suggested is required in the preparation of original productions. The courses in debating aim to develop clear thinking, logical reasoning, close observation, quick mastery of expression, persuasiveness, fair methods and courtesy. Course 11 is especially adapted to the preparation for public recital work. The method of instruction is that of the Emerson College of Oratory. The system is founded upon the laws of evolution in art, and develops the sources of power through natural expression. It involves culture of the broadest kind, requiring intellectual concentration, esthetic appreciation, and power to control an audience.



Students may be secured as readers by application to the head of the department.

**11 Literary Interpretation.**

Impersonation, dramatic reading, expressive voice culture, responsiveness in gesture, preparation for public recitals.

*Four hours per week, throughout the year.*

**12 Argumentation and Debate.**

Study of analysis, evidence, refutation, brief-drawing and presentation; practical application of these principles in debate.

Text-book: Baker and Huntington.

*Two hours per week, throughout the year.*

**13 History of Oratory.**

Methods of leading orators, study of famous orations, original speeches, extemporaneous speaking.

Text-books: Hardwick's *History of Oratory*, Baker's *Forms of Public Address*.

*Two hours per week, throughout the year.*

**14 Pulpit Oratory, Bible and Hymn Reading.**

*One hour per week, during first semester.*

**15 Parliamentary Law.**

*One hour per week, throughout the year.*

**16 Voice Culture. Physical Culture.**

*Two hours per week, throughout the year.*

## Dramatic Literature.

These courses include the history of the drama, the laws of dramatic art, the analysis of plays, the study of literary style. They emphasize especially the interpretation of character, realizing that the dramatic ability to see from another's standpoint is of fundamental importance to helpful service along all lines.

**11 Dramatic Interpretation of the Book of Job.**

*One hour per week. Second semester.*

**12 Shakespeare.**

Thorough study of two tragedies, two comedies and two historical plays, including: extensive character analysis founded on the text, character sketches, study of ethical problems, dramatic analysis, criticisms by prominent writers, and dramatic interpretation.

Open to Sophomores and Juniors.

*Two hours per week, throughout the year.*

**13 Shakespeare: Reading Course.**

The complete works of Shakespeare, his life and art. History of the drama.

Open to Seniors.

*Three hours per week, throughout the year.*

**PHILOSOPHY AND EDUCATION.**

PROFESSOR TRETTEEN.

**Philosophy.**

The work in this department is designed to familiarize the student with the more fundamental lines of philosophic thought; to enable him to think consistently and independently on the ultimate problems of reality, the physical world and the human self; and to entertain clear ideas of the relations of these problems to his own life and conduct. To this end the courses in history of philosophy, logic, and psychology have been planned to meet the needs of those students who may elect the work for general culture and discipline, and also for those students who may wish to pursue the work with a special interest in philosophy or education. Courses 11, and either 12 or 13, are required of all students; the others are elective. A minimum of 26 unit hours, including thesis, is required of those students who elect a major in philosophy and education.

### 11 Psychology.

Introductory course. A study of the general field of psychology from the biological point of view. A general course in physiology or neurology should precede this course.

*First semester. Four hours per week.*

### 12 Logic.

The elements of logic: The nature of clear ideas and valid reasoning, deductive and inductive. A study of the more common fallacies, and practice in detecting and correcting them. A system of debates will be arranged in this course.

*Second semester. Two hours per week.*

### 13 History of Ancient and Mediaeval Philosophy.

Special stress will be placed upon the systems of Plato and Aristotle. Prerequisite, Philosophy 11.

*First semester. Three hours per week.*

### 14 History of Modern Philosophy.

A study of the development of philosophy from the Renaissance to the present century. The influences of the scientific thought and the political and economic conditions upon philosophic thought will be traced. Prerequisite, Philosophy 13.

*Second semester. Three hours per week.*

### 15 Ethics.

A study of the principles of moral judgment with application to concrete life.

*Second semester. Three hours per week.*

## Education.

The work in education is designed primarily to meet the needs of those students who are preparing to become teachers in the high schools and superintendents of the schools in the state. To this end the work is closely related to the courses offered in the other departments of the college. For those students who elect their major in philosophy and education the academy offers especial opportunities for observation and prac-

tice in teaching under competent supervision and criticism. The courses in education are also open to those who may desire the work for general culture and discipline. The work aims to give, on the one side, a knowledge of the development of the child and of the systems and philosophy of education; on the other a training in the principles underlying the subject matter of education. Prerequisite, courses in biology and in psychology and logic.

### **16 History of Education.**

Education will be viewed as a process of conscious adjustment. A study of the typical culture periods as revealed by the educational ideals, processes, and institutions will be made. Prerequisite, Philosophy 11 and 12.

*First semester. Three hours per week.*

### **17 Principles of Education.**

The meaning of education considered from the standpoint of: (1) biology, (2) psychology, (3) neurology, (4) anthropology, and (5) sociology. Mental development as affected by heredity and environment. Education as affecting the physical, mental, moral and religious development of the child and the race. The varying educational aims, varying means and educational values. The relations of the foregoing to the course of study will be emphasized. Prerequisite, Education 12. The work of this course will include practice teaching in Academy classes of the subjects the student is preparing to teach. The practice teaching will be carried on under the direction of the head of the department in which the teaching is being done and under the supervision of the department of education.

*Second semester. Three hours per week.*

### **18 Modern Educational Systems.**

A comparison of the educational systems of Germany, France, England, and the United States will be made, with the historical setting of each. The differences in economic, social, political, and religious conditions as affecting education will be traced. Prerequisite, Education 12.

*First semester. Two hours per week.*

**19 Mental Development.**

The work will cover (1) the theory of development; (2) the general characteristics of development; (3) motor development; and (4) hygiene of development, with educational bearings. Prerequisite, Philosophy 11.

*First semester. Three hours per week.*

**20 Adolescence, and Secondary School Problems.**

This course is a continuation of course 15 and places special emphasis upon the intellectual and emotional development of the period of adolescence and upon the relations of these topics to the high school curriculum. It may be elected independently of course 15. Prerequisite, Philosophy 11.

**Suggested Groups with Major in Philosophy.**

Philosophy and	Philosophy	26	Philosophy	26	Philosophy	26	
Education	30	English	12	Biology	16	History	16
English	6	Mathematics	6	English	6	English	6
Mathematics	6	History	8	Mathematics	6	German	16
History	8	Science	10	History	8	French or	
Science	10	Latin or		German	16	Latin	8
German	16	French	8	Chemistry	10	Bible	8
Latin or		German	16	Latin or		Science	10
French	8	Bible	8	French	8	Mathematics	6
Bible	8	Electives	30	Bible	8	Electives	28
Electives	28			Electives	10		
	<hr/>		<hr/>		<hr/>		<hr/>
	124		124		124		124

**PHYSICS.**

ACTING PROFESSOR HUTCHINS AND AN INSTRUCTOR.

The work in Physics is intended to be of distinct disciplinary value to the student by stimulating investigation and developing originality. It will also enlarge the student's knowledge of every-day affairs. The study of matter and energy as pursued in Physics and Chemistry is basic or fundamental to the later study of the other sciences, such as Geology, Physiology and Astronomy, as well as to the technical applications of science.

## 11 General Physics.

Experimental and historical lectures and laboratory work on the subjects of Mechanics, Sound, Light, Heat, Magnetism, and Electricity. The aim of this course is to give a general knowledge of the laws and facts of Physics. The unity of Science and the relations of Physics to the other branches of Science and to common life will be emphasized. The course is designed to interest those who desire general information concerning the subject matter of Physics and to lay a groundwork for those who desire to do further work in Physics. The various principles are considered quantitatively in the laboratory and class room. The subject will be considered largely from the experimental standpoint. The student will be taught to observe accurately and to reason logically from the experimental data that he may obtain in the laboratory. Open to Sophomores, Juniors and Seniors.

*Two lectures, two recitations and six hours laboratory work per week throughout the year. 2:10—4. Ten unit hours.*

## 12 Teachers' Course.

A course consisting of conferences, practice in teaching, laboratory work and assigned reading on selected topics. The course is intended primarily for those who expect to teach Physics in the High Schools. Prerequisite, Physics 11 and Freshman Mathematics. *Credit according to the amount of work done; throughout the year at hours to be arranged.* This course should be carried on in connection with course 17, department of Philosophy and Education.

## 13 Physical Manipulation.

This course consists wholly in designing and constructing physical apparatus. It is especially adapted to the needs of those who expect to teach and may be taken in connection with Course 12. *Credit according to the amount of work done.*

*At hours to be arranged by consultation.*



**14 Mechanics and Sound.**

An advanced course open to students who have completed Course 11 and who have a knowledge of advanced Mathematics.

*First semester. Omitted in 1907-08.*

**15 Heat and Light.**

An advanced course open to students who have completed Courses 11 and 14.

*Second semester. Omitted in 1907-08.*

**16 Magnetism and Electricity.**

This course will consist of lectures and laboratory work. It is open to students on the same conditions as course 15.

*First semester. Omitted in 1907-08.*

Students who expect to teach Physics and Chemistry in High Schools should do their major work in Chemistry with Physics as the minor subject. For suggested groups, see Department of Chemistry.

**SOCIOLOGY.**

PROFESSOR KIEHLE.

Courses of study will be offered in this department aiming to fit the student to make a personal study of social questions, to interpret modern social problems, and as far as possible to grapple with and understand the perplexing questions of our modern life. The student will be made acquainted with a number of the works of our best writers on the subjects of Sociology and Social Problems. The student will be expected to secure a good knowledge of the character and content of the science, and to discover the relation of the several social sciences to each other and the proper field of investigation and study belonging to each. In addition to this more theoretic and scientific study, each student will be enabled, through the lectures and by means of wide reading, to secure a general appreciation and understanding of modern social, and civic conditions. During the year each student will also be expected

to make a special study and investigation of some social problem, or social and civic institution or custom. Personal acquaintance with some important phases of present social and civic life will be afforded by direct contact with the social settlements of Milwaukee and other large cities.

Exact courses in this department will be announced at the opening of the year 1907-08. Full information will be provided, by correspondence, to anyone desiring after June 15, 1907.



ELIZABETH VOORHEES DORMITORY.



## Department of Music.

GUY BEVIER WILLIAMS, DIRECTOR.

Every effort has been made to make this one of the strong musical schools of the state. The best talent has been secured, and the department has been so organized as to give a complete course of study with certificates of graduation. The expense has been made as low as is consistent with the high grade of teaching, and it is hoped that this department will be appreciated by all friends of the college. The proximity to Milwaukee makes it possible to provide this excellent course at moderate expense.

### PIANO.

GUY BEVIER WILLIAMS.

Mr. Williams, the director of this department, is also instructor in piano. He is one of the prominent teachers in Milwaukee and a pianist of superior attainments. He has had the advantages of European training, having studied four years in Berlin under Friedenthal-Scherres, a pianist of European fame. Mr. Williams also studied Theory and Composition with Otis Boise, and Violin Ensemble and Operatic Conducting in Stern Conservatory under Royal Prof. Gustav Hollaender. The courses given below are not to be considered as final and absolute, to which all students must conform, but as a suggestion of the standard of work expected in the different grades. The outline is necessarily elastic, and will adjust itself to the individual ability of each student. The time necessary to complete the full course will depend altogether upon the student and the time spent in practice. Students who are already somewhat advanced will be graded accordingly. Theoretical work—written recitations—must be done with every lesson. Printed slips are furnished for this work and credits are allowed for the year's work provided a satisfactory examination is passed.

**Grade I—II**

Note reading; position of hands, arms, body.

Damm: *Piano School*. Spindler: Easy pieces.

Mason: *Preparatory Touch and Technic*.

**Grade II—III.**

Mason continued.

Damm—Second part. Gurlitt; op. 101, 140. Köhler, op. 157.

Schmitt: *Technic*. Le Couppey: *L'Agilite*.

Dussek: *Sonatinas*. Clementi: Kuhlau.

Salon pieces.

**Grade III—IV.**

Preparatory octaves, arpeggios.

Czerny, op. 636, 299, Bach, *Album*.

Bach; Inventions, two part. Easy sonatas.

Smith, op. 63; Heller, op. 46.

Romantic and classical pieces.

**Grade IV—V.**

Advanced Arpeggios. Octave work.

Czerny, op. 740. Clementi, *Gradus*. Smith: Transposing studies.

Jensen, op. 8; Kullak, octave studies.

More difficult sonatas, brilliant pieces.

**Grade V—VI.**

Cramer, Haberbier, *Etudes*. Bach Preludes and Fugues.

Chopin, Henselt, Modern etudes.

Concertos, advanced selections for concert use.

For graduation, the student must perform, in public, a program embracing representative works from the advanced piano literature; have passed the examination in elementary and advanced Harmony; and have done satisfactory work in sight-reading and ensemble.

Certificates will be given after the third year showing the work completed by the student.

Course in Harmony (obligatory for all graduates) consists of eighteen weeks' work, one lesson (one hour) per week. Price for the course, \$5.00.



Classes in sight reading and ensemble playing will be organized and conducted by Mr. Williams free of charge, but those taking part will be selected by him from those in particular need of this work. Credit in the college will be given for work in Harmony satisfactorily completed.

## VOICE.

### VERA LEAVITT LATHAM.

The vocal department is in charge of Mrs. Vera Leavitt Latham, a graduate of Milwaukee Conservatory of Music under Miss Jennie Owens, and a former pupil of Prof. Oberhoffer in interpretation. Her success as an instructor has been very marked and she is a great favorite as a singer in Milwaukee and Waukesha.

She gives a thorough course in the Lamperti Method of singing, beginning with the technical work on voice placing and tone production.

Concone and Marchesi exercise books are used. The advancement of the student to songs and more difficult work depends entirely on the ability of the voice. Ample opportunity is given for recital work and singing in public as soon as pupils are qualified to do so.

Mrs. Latham will try all voices free of charge and will be glad to talk with students in regard to their work.

The course of instruction will be as follows:

#### Grade I.

First principles of singing.

Exercises to cultivate correct breathing.

First exercises for tone placement.

#### Grade II.

Tone placement and breathing exercises, continued.

Study of Italian vowels, *a. e. i. o. u.*

#### Grade III.

Tone work continued; scales.

Vowel work continued, Concone's vocalises, Book I.

Exercises for articulation and enunciation.

**Grade IV.**

Tone placement continued.  
Breathing exercises; Concone's vocalises, continued.  
Study of Phrasing and Interpretation.

**Grade V.**

Tone placement continued.  
Breathing and vowel work; advanced vocalises.  
Study of simple songs; Sight reading; Study of Arpeggios.  
Public work in recitals.

**Grade VI.**

Tone placement; Sight reading; Interpretation.  
Classic Songs; Oratorio; Operatic arias.

This method is flexible and adapts itself to different voices and individuals. A certificate will be given for three years of work. Graduation in this department will require perfect tone placement, ability to sing Italian, German, and some standard English songs, and a certificate in Elementary Harmony and Musical History.

A satisfactory examination will give the pupil a diploma.

A course is offered in preparation for teaching music in the public schools.

**OTHER MUSIC.**

Instruction will be given on other instruments if desired, such as organ, violin, guitar, mandolin and cornet.

General music work is open to all students, as well as classes for beginners and advanced students in chorus work.

There is a Young Men's Glee Club under the direction of Professor Goddard, and a Young Ladies' Glee Club with Mrs. Goddard as leader.

Public recitals are occasionally given.

**SCHEDULE OF EXPENSES.**

	Fall Term, 13 Weeks.	Winter Term, 12 Weeks.	Spring Term, 11 Weeks.
Piano, 2 lessons per week	\$26.00	\$24.00	\$22.00
Piano, 1 lesson per week	26.00	12.00	11.00
Vocal, 2 lessons per week	13.00	24.00	22.00
Vocal, 1 lesson per week	13.00	12.00	11.00
Violin, 1 lesson per week	13.00	12.00	11.00

## Art Department.

LUELLA COOK.

The full course of study requires two lessons of three hours per week for three years. The lessons, however, may be so divided as to take only one or two hours per day. A special course may also be taken by those who do not care to complete the work. Students desiring to specialize, rather than to take the prescribed course, will be allowed to do so within certain limits, and will be granted certificates by doing the work equivalent to the full course.

Lessons will be charged for at the rate of fifty cents for three hours to regularly matriculated students in the College, and to others, seventy-five cents, and at this rate by the term. The course is as follows:

### First Year.

First semester: Charcoal drawing from casts and still life.

Second semester: Water color painting from casts, still life and copies.

### Second Year.

First semester: Water colors from still life, flowers, landscape, etc.

Second semester: Advanced water color, or beginning oil, or china painting.

### Third Year.

First semester: Advanced water color, oil or china painting.

Second semester: Advanced water color, oil or china painting.

## STENOGRAPHY.

A course in Stenography is offered to all students desiring to become proficient in stenography and typewriting. Mr. Charles V. Burton, has charge of this department. A fee of \$15.00 is charged for the course. Those desiring to rent typewriters can do so at small expense.

## Physical Department.

GEORGE SIM, PHYSICAL DIRECTOR.

### The Object of the Work.

The work of this department affords every student the means of acquiring physical health and mental vigor. It is optional, and is made eminently recreative and pleasant, freeing the student from the constant strain of study. All students, and especially Freshmen and Sophomores, are advised to pursue regular work in the gymnasium. Credit to the amount of four unit hours will be granted for such work toward the Bachelor's degree. The institution zealously encourages all pure and healthful recreation, and gives its support and direction to all indoor and outdoor games, subordinating them, however, to their place in the college curriculum.

### The Gymnasium.

Carroll College possesses a modern and well equipped gymnasium. It measures 40x73 feet, is eighteen feet in height, and is finished in Georgia pine. The gymnasium, together with the locker rooms and shower bath, occupy the ground floor of Voorhees Hall. There are windows on three sides affording sufficient sunlight, and strict attention is paid to ventilation. The inside lighting is by caged electric lights. There are two hand-ball courts in the gymnasium, and a commodious basket-ball court; and above the gymnasium floor is a good running track, and a punching bag platform.

### The Equipment.

The apparatus includes dumb bells, Indian clubs, bar bells, striking bag, wrist and finger machines, Swedish bars, pulley-weights, horse, buck, horizontal and parallel bars, climbing ropes, traveling rings, spring board, vaulting poles, jumping standards, and all necessary apparatus for indoor athletics. In connection with the gymnasium are the bath rooms, provided with both tub and shower baths, and there is always a sufficient supply of hot and cold water. Adjoining the boys' bath room is the locker room, where a convenient, roomy, and well ventilated locker is provided for the use of each student. This

room is the dressing room for the members of the athletic teams. Racks for bicycle storage are provided in the lower hall, with entrance from the west.

### **System of Exercises.**

The system of exercises taught is thoroughly practical and is adapted to those who lead a sedentary life. Mr. George Sim, the director, is a graduate of the five years' course in gymnastics and athletics of the Central Y. M. C. A. of Chicago, and has been instructor in the college seven years.

The work for the boys is systematized as follows: In the fall term military marching, calisthenics, stall bar, mat work, and games; in the winter term the same work with the addition of the horse, horizontal and parallel bars; in the spring term athletic exercises are added, such as jumping, pole vaulting, and running.

The work for the girls consists of marching, calisthenics, free hand exercises, wands, Indian clubs, stall bars, mat work, games, relay races, and basket-ball. They occasionally compete for prizes. In all of the gymnasium work the recreative feature is made prominent.

The gymnasium work of the young men is held Monday and Wednesday of each week, from 4 to 4:45 p. m., and voluntary work on Friday and Saturday forenoons. The work of the young women is held on Tuesday and Thursday of each week from 4 to 4:45, and voluntary work Saturday afternoons. The gymnasium season begins soon after the opening of the fall term and extends to about the tenth of April.

### **Competitive Indoor Sports.**

A schedule of basket-ball games, relay races, etc., is prepared and carried on during the season of gymnasium work. These games come at the close of the calisthenic and apparatus work of the day. Teams are chosen by captains appointed from the various classes. These teams are designated by colors, and have emblems which they wear on their gymnasium suits. The team which scores the highest record for the games of the season wins a shield, which has the names of the team inscribed on it, and is left in the gymnasium as a memento.

This series of games is carried on by the classes both of the young men and of the young ladies. An athletic contest is held each month which adds materially to the indoor sport and recreation.

### **Outdoor Sports.**

The students of the college engage in foot-ball, base-ball and track athletics. Carroll is a member of the conference of Northern Illinois and Wisconsin Colleges and participates each year in a number of inter-collegiate contests with neighboring colleges. Carroll College stands for clean, wholesome athletics and adheres to the spirit as well as the letter of the regulations adopted by the conference colleges. While the college lends every encouragement to inter-collegiate athletics it requires that this work be subordinated to the regular work of the school. All inter-collegiate contests are under the direction of the athletic association and the athletic committee of the faculty. The foot-ball and base-ball teams, with their managers and captains, are responsible to the athletic association and look to it for support. No student who is deficient in any of his work will be permitted to participate in any inter-collegiate contest.



## ACADEMY.

Four years of academy instruction are given, in preparation for college, or for the needs of practical life.

The Academy is a member of the North Central Association of Colleges and Secondary Schools, and its diploma admits to any college or university.

Students from the public schools who wish to enter the Academy must show that they have successfully passed the eighth grade work, or that they hold a certificate of graduation from the upper form of the district school. Others who wish to enter on examination should present a certificate showing specifically the work done in the different branches of study, with examination standing.

Candidates for admission to the higher classes must exhibit a satisfactory certificate, or pass an examination on all the work of the previous years.

Irregular students may take an elective course, but will not be admitted to classes in which they cannot do good work. Special facilities are afforded to those who need to make up certain branches, provided they show suitable capacity and determination.

All candidates, unless known to the faculty, must present testimonials to good moral character, and certificates of regular dismission will be required from those who have been students of other schools.

### Courses of Study.

One unit in any study signifies one daily recitation for the school year.

Summary of units offered: Latin 4, German 2, Mathematics 3, Science 4, History 3, English 4, Oratory 2. From these 22 units, 15 units are required for graduation. All students are required to take the work in Bible and Gymnastics, or an equivalent of the latter.

The following units are required of all:

English 3, Mathematics  $2\frac{1}{2}$ , History 1, Science 1.

One of the following groups must also be taken:

Group A—Latin 4; German 2; History 1; Elective 1.

Group B—Latin 4, or Latin 2 and German 2; Mathematics 1; History 1; Elective 2.

Group C—Latin 2, or German 2; Mathematics 1; History 1; Science 1; Oratory 1; Elective 2.

That the above requirements may be met, there are offered for the first year's work, Latin, English, Algebra, Physiography; for the second year, Latin, English, Geometry, History; for the third year, Latin, German, Geometry, Algebra, History, English, Biology; for the fourth year, Latin, German, Physics, History, English, Oratory. Oratory is given credit only as a fourth year of English.

These requirements and electives are also exhibited in the following tabular form:

#### GROUP A.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
Latin	Latin	Latin	Latin
English	English	German	German
Physiography	Geometry	Mathematics	Science, English,
Algebra	History	English	Oratory or
Bible	Bible	History	History
		Bible	Bible

#### GROUP B.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
Latin	Latin	Latin or	Latin or
English	English	German	German
Physiography	Geometry	Biology	Physics
Algebra	History	Mathematics	English
Bible	Bible	English or	Oratory, or
		History	History
		Bible	Bible

#### GROUP C.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
Latin	Latin	Biology	Physics
English	English	Mathematics	English or
Physiography	Geometry	English or	Oratory
Algebra	History	History	History
Bible	Bible	Bible	Bible
			Elective

## GROUP D.

FIRST YEAR.	SECOND YEAR.	THIRD YEAR.	FOURTH YEAR.
English	English	German	German
Physiography	Geometry	Mathematics	Physics
Algebra	History	Biology	English, Oratory
Bible	Bible	English or	or History
Elective from	Elective from	History	Bible
other years	other years	Bible	Elective

Any study dropped without faculty consent obtained in advance shall count as a failure. All failures and conditions must be made up before a diploma will be granted.

## BIOLOGY.

The main object of the work in biology in the academy is to acquaint students with the character and distribution of plant and animal life, especially in the local region, and to develop an understanding of the life activities of plants and animals, and the relation of these to human life. The biological equipment of Rankin Hall of Science is available for this work.

## 1 Zoology.

The work of this course covers the ground treated in Davenport's *Introduction to Zoology* or Linville and Kelly's *Text Book in General Zoology*. From six to eight hours of laboratory work are required each week. Frequent field trips are taken for the study of animals in their natural homes. A note book for drawings, and written descriptions in connection with the field and laboratory work are required of each student. Five periods of two hours each are devoted to the work each week. *Third year; first semester.*

## 2 Botany.

This course deals with plants much as Course 1 deals with animals. The scope of the work is represented by Stevens' *Introduction to Botany* or Bergen's *Elements of Botany*. Practical applications to Agriculture are emphasized. Morphology is dealt with only in its relations to function and life activity. Development and study of plants in the laboratory are made prominent. Laboratory and field work are carried on as in Course 1, and, in connection with these, notes and drawings are made. *Third year; second semester; five hours.*

## EDUCATION.

### 11 General Pedagogy.

This course is designed primarily for students who are without experience in teaching or for those who have not pursued the courses in general psychology or logic. The aim will be to acquaint the student with the laws governing mental development and the arts and methods employed by the teacher in teaching the various subjects, and with the principles of school hygiene and school economy.

*Second semester. Three hours per week.*

## ENGLISH.

The course of study in the Academy extends through four years, and includes the study of grammar, rhetoric, composition, and literature.

### 1 Grammar and Composition.

Review of English Grammar. Weekly themes: simple narratives and descriptions. Literature: classics required for college entrance.

### 2 Composition and Literature.

Narratives and descriptions based upon writer's experience and observation, or upon texts read in class. Literature: English classics.

### 3 Rhetoric and Literature.

Study of principles of composition. Literature: English classics.

### 4 Rhetoric and Literature.

Study of the kinds of composition. Composition. Literature: History of English and American literature. Classics.

## GERMAN.

### 1 German Lessons.

Collar-Eysenbach. *Fritz auf dem Lande*, Arnold. *Der zerbrochene Krug*, Zschokke. Conversation, memorizing of poems and songs. German club. *Five hours, through the year.*

## 2 German Readings.

*Auf der Sonnenseite*, Sudermann; *Der Trompeter von Säckingen*, von Scheffel; *Minna von Barnhelm*, Lessing, Bernhardt's Composition. Memorizing of poems. Sight reading, conversation, table-talk, business terms, expressions used in stores, in traveling, etc. Items from the newspapers are translated into German.

*Five hours, through the year.*

The members of the two Academy classes have during the year organized themselves into a German club.

## HISTORY AND CIVICS

The object of the courses in history will be: to interest the student in history studies; to furnish a knowledge of the facts of general history; to provide a thorough preparation for the more advanced courses in History and Politics in the College; and to give the young man or woman who may not go beyond the Academy a course of study which may lead to a better appreciation of his own times and thereby prepare for a more intelligent and active participation in the responsibilities and duties of citizenship.

### 1 Ancient History.

From the Earliest Times to 800 A. D.

*Second year.*

### 2 Mediaeval and Modern History.

Europe from the Death of Charlemagne to the Present Time.

*Third year.*

### 3 History of the United States. Civics.

*Fourth year.*

## LATIN.

The methods employed involve grammatical drill, accuracy and fluency in translation, and extended work in Latin Composition. Correct pronunciation with special regard to quantity is insisted on from the beginning. The life and works of each author with their historical settings, are carefully studied.

**First Year.**

Elementary Latin. Inflections and Constructions. Translations and Elementary Prose. Outline of Roman History. *Five hours.*

**Second Year.**

Latin Grammar. Caesar's Commentaries, four books. Latin Prose, twenty lessons. *Five hours.*

**Third Year.**

Cicero, six orations, and selected letters. Latin Prose, completed. *Five hours.*

**Fourth Year.**

Virgil's Aeneid, six books; Mythology. *Five hours.*

**MATHEMATICS.**

The courses in Academy Mathematics are prepared and conducted with a view to fit the student for entrance to any standard college and at the same time to give a thorough preparation for practical life. Many students will find the Academy their finishing school and should be prepared for business calculations and business thought. Constant drill, therefore, in the thought processes is considered the chief essential.

**1 Algebra.**

This course is pursued the first year and extends through Quadratic Equations. Mastery of elementary processes with accuracy and rapidity, rather than the solution of complex problems, is the aim in this introductory work.

*First year.*

**2 Plane Geometry.**

Open to students who have had Course 1 or its equivalent. The fundamental propositions are demonstrated and discussed. Special attention is given to a limited number of original theorems and problems, accompanied by appropriate constructions and measurements.

*Second year.*



### 3 Solid Geometry.

Open to students who have had Courses 1 and 2 or their equivalent. Special attention is given to the applications of Solid Geometry to practical problems in mensuration.

*Third year. First semester.*

### 4 Algebra.

Open to students who have had Course 1, and preferably 2 and 3. This is a continuation of Course 1 and includes a review of some of the subjects of that course. Advanced work in ratio, proportion and variation, the progressions and logarithms is pursued. Preparation for College Mathematics demands this course.

*Third year. Second semester.*

## ORATORY.

To pupils who have taken the required three years' course in English one credit in English will be given for a year's work in Oratory or Shakespeare.

### 1 Literary Interpretation.

Declamation, recitation, extemporaneous speaking, debate, voice culture, gesture. The text-book used consists of selections from the masterpieces of literature, including the Bible. In order to impress an audience with the sentiments of these great works it is necessary that the student learn to think with the authors; thus thought power and literary taste are developed, as well as larger views and sympathies.

### 2 Shakespeare.

Thorough study of one tragedy, one comedy, and one of the historical plays, including: extensive character analysis founded on the text; character sketches; thorough understanding of the text; dramatic analysis; memorizing passages; study of criticisms by prominent writers; dramatic interpretation. The study of Shakespeare interests the students in ethical problems, broadens their sympathies, elevates their ideals and establishes a taste for good literature.

## PHYSICS.

## 1 Elementary Physics.

A study of the elementary principles and phenomena of Physics, largely non-mathematical. The work will consist of class room demonstrations, recitations and laboratory work. The laboratory work and the class room work are carefully differentiated and at the same time closely correlated. In the first semester Mechanics, Heat and Magnetism will be studied. In the second semester the laws and phenomena of Electricity, Sound and Light will be discussed. The class room work is based upon Millikan and Gale's *First Course in Physics*. Each student will perform fifty experiments in the laboratory. Millikan and Gale's *Laboratory Course in Physics* will be used as a guide. Each student will have an assigned place for work in the laboratory. Neatness and accuracy in the laboratory work and clearness in the expression of the results obtained from the experiments will be insisted upon. This course should be taken by all students who expect to take chemistry in the Freshman year and by all students who expect to pursue advanced work in any science. Open to students in the last year of the Academy.

*Two hours of recitation or laboratory work per day throughout the year. Five unit hours.*

## PHYSIOGRAPHY.

## 1 Physical Geography.

This is an introductory science course, which aims, first, to develop a general understanding of earth phenomena, and, second, to train pupils in the habit of scientific study. The subject includes five divisions. The first treats of the earth sphere, and the aim is to develop the concept of a spherical earth and lead to an understanding of the facts and phenomena which result. The second division treats of the land, or lithosphere. The agencies operating on the land, the resulting features, and the relation of these to man, are considered. The third division treats of the water, or hydrosphere. This is studied in its relations to the land and the atmosphere, and to man. The fourth division treats of the air, or atmosphere, which is dealt with in its relation to heat, moisture and

weather, and to man. The fifth division is the life or biosphere, which is treated as to distribution, relation to physical conditions and to man.

*Daily recitations; first year, first semester.*

## **2 Industrial Geography.**

This course aims to establish the relation between physical conditions and industrial development. The industrial development of the United States is taken as the fundamental unit of study. Its relative and absolute location, and its climate and other physical conditions, are considered. Then its natural resources; its manufactures, and its commercial relations are studied, and its future development pictured. Other countries are studied relatively to the United States. A large collection of natural and manufactured products has been made in connection with this work. A number of exhibits from large manufacturing firms has been secured. The scientific idea of causal relations is emphasized throughout, and principles rather than facts alone, are made prominent.

*Daily recitations; first year, second semester.*

## GENERAL INFORMATION.

**Student Organizations.**

Several voluntary organizations among the students serve to direct into useful channels the various phases of student interest and activity.

**Christian Associations.**

Two very active and prosperous Christian organizations, one the Young Men's Christian Association, the other the Young Women's Christian Association, provide a very pleasant center for the religious life of the College. These Associations have their prayer meetings for one-half hour at noon on Thursdays, the young men and young women meeting in their separate halls. On Monday night is held a weekly college prayer meeting under the joint auspices of the faculty and these two associations. This meeting is frequently addressed by some member of the faculty or by one of the pastors or Christian workers of the city. These several services furnish the occasion and means of very great help and inspiration to all who attend, and they also promote a delightful Christian spirit in the college.

These societies have recently provided and furnished attractive and homelike rooms for study and reading and conference, and welcome here all students of the college.

**Musical Clubs.**

The musical organizations supplement in a very practical way the work of the music department of the college.

The Men's Glee Club has consisted, during the past year, of eighteen young men, under the direction of Professor H. N. Goddard. Its purpose is to provide an opportunity for training in male chorus work in preparation for the annual concert tour. The faithful and effective work of this club has been apparent in the marked success of the series of concerts given, during the recent spring vacation, in a number of the cities of southern Wisconsin.

The Mandolin Club was organized for practice in orchestral work. It is under the leadership of Mrs. A. W. Lawton, and

consists of ten members. The high estimation in which the ability of this club is held is indicated by the frequent demands for its services.

The Ladies' Glee Club consists of sixteen members, with Mrs. H. N. Goddard as leader. As in the other musical organizations, rehearsals are held weekly, and a high degree of efficiency has been developed. The club has appeared during the year in several concerts, either alone, or together with the other musical organizations, and has assisted frequently at college functions.

#### Literary Societies.

Two societies for literary culture,—the Aristonian and the Philomathean—provide centers and stimulus for the impulse to independent, original literary expression. Their work consists of debates, studies of individual authors, orations, papers, book reviews, and discussion of events of present interest. They have furnished and equipped in attractive manner the halls provided for their use in the new Rankin Hall of Science. An annual debate is held between the two societies and a prize or trophy awarded to the winning society.

#### The Carroll Echo.

For a number of years the students have edited and published a monthly paper under the name of *The Carroll Echo*. Not only has this stimulated literary production among the students, and given happy expression to many phases of College life, but it has been a welcome visitor to homes of the alumni and other friends, and has been an effective medium of communication between the present student body and their older brothers and sisters who are scattered far and wide. A distinct advance in the appearance and character of the publication has been made during the last few years. Its handsome dress, its interesting and witty articles, and its unique features of original illustration have attracted very favorable comment and have given it a high standing among papers of its class.

#### Athletic Association.

The Athletic Association represents the organized athletic interests of the college. Under its auspices the intercollegiate

games in which the college participates are carried on. Detailed information of the athletic work of the college will be found in the statement of the Physical Department.

### Social Life.

The demands of young people for recreation and their need of social culture and enjoyment receive recognition and encouragement. Students are given as much liberty in social affairs as is consistent with the standard of scholarship and with the responsibility of the faculty for their welfare. Social events, in which members of the school participate, and class parties, are usually restricted to Friday and Saturday evenings, and are always under the supervision of the faculty.

### Book Store.

A college book store is maintained, on the first floor of Voorhees Hall, where books and other necessary supplies may be obtained at reasonable prices.

### Expenses.

The college year consists of 36 weeks and is divided into two semesters. Tuition bills are due in advance. No reduction is made for brief absences. If not paid within two weeks of the beginning of the semester \$1.00 is added to the tuition. Special terms are made to children of ministers and students for the ministry. The rates are as follows:

College:	Per year, \$40.00
Academy:	1st year, \$30.00
	2d year, \$32.00
	3d year, \$34.00
	4th year, \$36.00

An incidental fee, including library fee, for all students, per semester, \$1.50.

Commencement expenses for graduation:

From the Academy, \$2.50

From the College, \$5.00

In accordance with a petition signed by a large majority of the students an athletic fee of \$1.00 per semester will be collected by the college at the beginning of the semester from all



students. These fees will be used for the support of athletics. In consideration of this fee tickets will be issued to all students admitting them to all college foot-ball games in the fall and to all base-ball games in the spring.

### **Laboratory Fees.**

In all laboratory courses small fees are charged to cover the cost of material used in the laboratory. The fees for a semester are as follows: Chemistry, \$5. A breakage deposit of \$2.50 will be required of each student. This deposit, or such a part of it as has not been charged against the student for breakage, will be refunded at the close of the year. Biology, \$4. Refundable breakage deposit, \$1. Physics, \$3. Minerology, \$2.50.

In the Academy: Physics, \$2.50; Biology, \$2.50.

Laboratory fees must be paid in advance. Under no conditions will they be refunded.

### **Living Expenses for Men.**

A very important part of the expenses for students is the cost of living, and every effort is made to keep this as low as possible. There are excellent accommodations for any number of students very convenient to the college, where rooms may be had at from fifty cents to \$2.00 per week, according to location and accommodations. Table board is furnished by the college at \$2.75 per week. There are also students' boarding clubs where board is furnished as low as \$2.00, and board can be secured in private families for from \$2.50 upward. Some students have private clubs and are able to get through the year on very small expense.

### **Living Expenses for Women.**

The women students from abroad will be required to board in the dormitory, unless for sufficient reasons, and at the request of their parents or guardians, they are permitted by the faculty to board elsewhere. The dormitory is provided with single, double, and suites of rooms, and the prices range from \$13.50 to \$40.50 per semester, according to accommodations. This includes heating, lighting, and laundry for the rooms. The rooms are furnished with bedsteads, mattresses, tables, chairs, bureau, wash stand, mirror, bowl and pitcher,

and each student has a closet. Other articles are provided by the students. The floors are of hardwood, and students desiring may furnish rugs. Application for admission should be made early. A deposit of \$5.00 is required from those engaging rooms, and a choice will be made according to such application. The deposit may be returned if the engagement is cancelled three weeks before the opening of the semester.

### **Opportunities for Self Help.**

There is a considerable opportunity in the city for self help. Most students desiring to help themselves can earn a considerable portion of their expenses during the year. Several young ladies find opportunities as helpers in homes for their board, and young men are able to find work in the homes, offices and factories of the city.

## REGULATIONS.

### Attendance.

Students must be prompt and regular in attendance. Tardiness and absence are fatal to good work. Persistence in these habits cannot be tolerated. The authorities of the college believe that the measure of value which the student derives from his work is not adequately estimated by written examinations alone, but also by his presence and attention in the daily class exercises. Any student, therefore, who absents himself from classes without furnishing an acceptable excuse to his instructor may expect his standing to be lowered accordingly. Repetitions of such irregularity after due warning will deprive the student of his credit.

Students shall be required to attend the daily Chapel exercise, and a morning service in the church of their choice, determined at their entrance. Failure to comply with these requirements will subject the students to such discipline as, in the judgment of the faculty, may seem best.

### Study Hours.

Students are required to keep regular study hours, setting apart at least two hours each evening, or the equivalent of this, for home study. Friday evening is excepted. Social affairs are discouraged on the first four evenings of the school week. Social gatherings must be reported to the President in advance and his approval secured.

### Supervision.

While it is the purpose of the College to encourage self-government and to grant to students as much freedom as is consistent with their best interests and with the good order of the school, yet it is deemed necessary that students should be at all times under the supervision of the faculty. Young men and young women are not permitted to room at the same house, except in the case of brother and sister.

Whenever it becomes apparent that a student's influence is harmful to other students he will be requested by the Faculty to leave the school.

The use of tobacco is forbidden.

Students who have not at least a fair ability to acquire knowledge, and a reasonable willingness to study, will not be allowed to remain in the school.

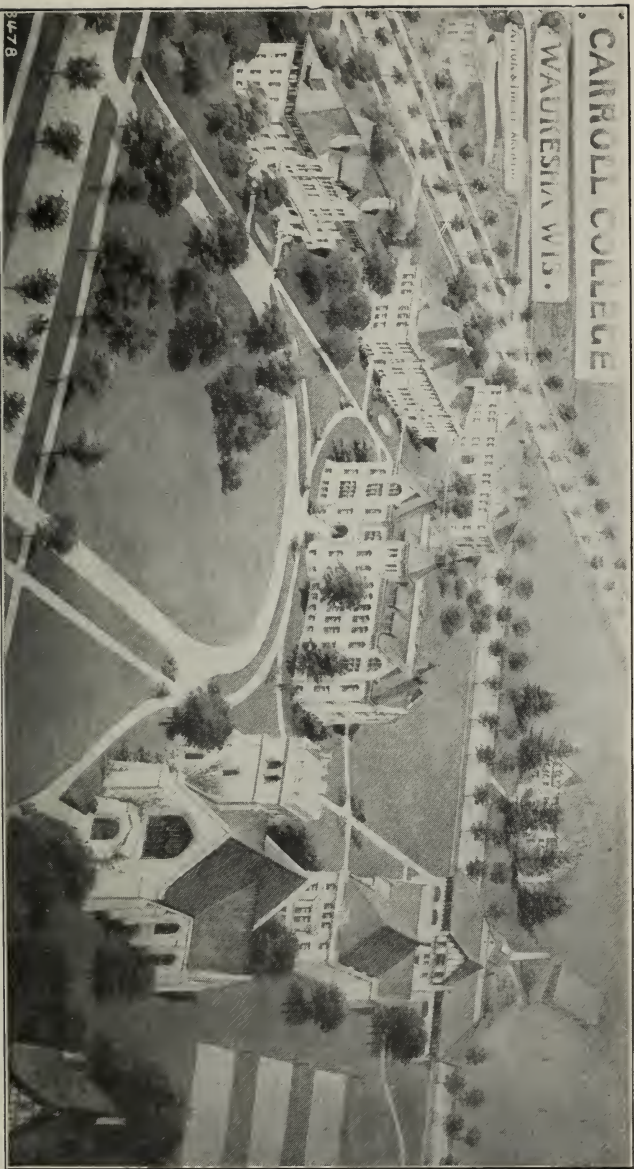
### **Examination and Grades.**

Such tests and recitation period examinations are given from time to time as instructors may think necessary. At the close of each semester, four days are set apart, on which instructors give examinations covering a part, or the whole, of the semester's work, and occupying not to exceed two and one-half hours. Full reports, embracing the work of each semester, are sent to the parents for their inspection. The passing mark of the school is 70. Those who are marked between 60 and 70 are said to be "conditioned" and may have an opportunity to make up the work. Those who are marked below 60 are regarded as having failed in the work, and in most cases will need to take the work over again.

# CARROLL COLLEGE

WAUKESHA WIS.

ESTABLISHED IN 1862



3478

PROPOSED PLAN OF GROUNDS AND BUILDINGS.





## ROLL OF STUDENTS.

## COLLEGE.

## Senior Class.

Hofacker, Olga Vera	Chicago, Ill.
McCarthy, Alice	Waukesha, Wis.
Glyer, George Arthur	Superior, Wis.

## Junior Class.

Chafin, Helen McNaughton	Mukwonago, Wis.
Loose, Althea Elmerta	Waukesha, Wis.
Oliver, Elizabeth Eleanor	Waukesha, Wis.
Benson, Walter Henry	Wausau, Wis.
Burton, Charles V.	Waukesha, Wis.
Carrier, Ralph Wilbur	Waukesha, Wis.
Clarke, Finch Albert	Chicago, Ill.
Evans, Charles Harvey	Waukesha, Wis.
Montgomery, Donald Stewart	Wausau, Wis.
Montgomery, John McVey	Wausau, Wis.
Sim, George	Chicago, Ill.

## Sophomore Class.

Adams, Florence Amelia	Mukwonago, Wis.
Cattanach, Lila Ann	Marshfield, Wis.
Colby, Alice Mary	Bellvere, Pa.
Hooper, Florence Maude	Troy Center, Wis.
Johnson, Mary Elliott	Beaver Dam, Wis.
Mueller, Clara Helen	Marshfield, Wis.
Smith, Nina Belle	Waukesha, Wis.
Deline, Lester Eugene	Waukesha, Wis.
Dewitt, Oliver Edmund	Waukesha, Wis.
Hartman, Willard Carl	Waukesha, Wis.
Maule, Howard Wesley	Dousman, Wis.
Nickell, Arthur Cornwall	Waukesha, Wis.
Ramsey, Norman James	Milwaukee, Wis.

## Freshman Class.

Allen, Jessie	Cambridge, Wis.
Baldwin, Florence Lucile	Weyauwega, Wis.
Beggs, Sara Gibson	Waukesha, Wis.
Benton, Grace Lucretia	Waukesha, Wis.
Branch, Carrie May	Waukesha, Wis.
Gaskell, Edith Margaret	Waukesha, Wis.
Hartness, Rebecca Mary	Waukesha, Wis.
Kurtz, Mabel Emma	Portage, Wis.
Lean, Inez	Waukesha, Wis.
Lobdell, Pearl	Mukwonago, Wis.
Lobdell, Ruth Bernice	Mukwonago, Wis.
Loomis, Emily J.	Portage, Wis.
McFetridge, Clarissa May	Oshkosh, Wis.
Peterson, Hallie Scott	Omro, Wis.
Tempero, Clara Belle	Menominee, Wis.
Wenzel, Alma I.	Merrill, Wis.
Wilson, Jeanette	Wausau, Wis.
Blair, Francis John	Janesville, Wis.
Buswell, Arthur Moses	Waukesha, Wis.
Buswell, Calvin Ezra	Waukesha, Wis.
Craven, Alexander Robert	Waukesha, Wis.
Fries, Arthur Abel	Waterford, Wis.
Fries, John Edmund	Waterford, Wis.
Grabner, Fred	Warren, Ill.
Holt, Harvey Ellis	Oconomowoc, Wis.
Hopkins, Lou Olin	Iron Mountain, Mich.
James, Frank Gordon	Chicago, Ill.
Johnson, Eddie Edward	Wausau, Wis.
Kerr, Joseph	Lowell, Mass.
Kiefer, Walter J.	Wausau, Wis.
Moore, James William	Cambridge, Wis.
Nelson, Jacob Andrew	Waukesha, Wis.
Nickell, George Harold	Waukesha, Wis.
Orgeman, Charles George	Oconto, Wis.
Palmer, Fred	Waukesha, Wis.
Phillips, Harry Thomas	Waukesha, Wis.
Phillips, Matthias George Washington	Waukesha, Wis.
Sawyer, Howell D.	Waukesha, Wis.

Soderberg, Andrew Fred	Florence, Wis.
Tassell, Rialto Arthur	Waukesha, Wis.
Thomas, George Owen	Pewaukee, Wis.
Ver Straate, John	Sheboygan Falls, Wis.
Wheeler, Roy E.	Waukesha, Wis.
Williams, Charles Loyal	Waukesha, Wis.
Williams, William Arthur	Dodgeville, Wis.
Young, Elmer Frank	Wausau, Wis.

## ACADEMY.

### Fourth Year.

McLean, Agnes Derby	Waukesha, Wis.
Phillips, Myrtle Agnes	Waukesha, Wis.
Rice, Hannah Jane	Waukesha, Wis.
Schneider, Ada Emma	Merton, Wis.
Tempero, Ella Beatrice	Waukesha, Wis.
Tempero, Laura May	Menomonee Falls, Wis.
Tempero, Margaret May	Waukesha, Wis.
Barth, Harry August	Seattle, Wash.
Cecil, Augustus	Oconto, Wis.
Jenkins, David Lloyd	Wales, Wis.
Lang, Emil Henry	Waukesha, Wis.
Leek, Raymond Wilbur	Waukesha, Wis.
McAlister, Archibald James	Marinette, Wis.
Meredith, Archie Gilmore	Mellen, Wis.
Mitchell, Charles John	Brookfield, Wis.
Poundstone, Earl Charles	Mellen, Wis.
Smith, Robert Henry	Dudley, Wis.
Weaver, Andrew Thomas	Sussex, Wis.
Weber, Richard Leon	Waukesha, Wis.
Windus, Charles E. S.	Waukesha, Wis.

### Third Year.

Broadhurst, Mary White	Oil City, Pa.
Carrier, Cornelia Myrtle	Waukesha, Wis.
Douglass, Hazel Aliston	Waukesha, Wis.
Elias, Elizabeth Hannah	Wales, Wis.
Griffith, Georgia Genevive	West Farmington, Ohio.

Hartness, Marion Easter	Waukesha, Wis.
James, Sadie	Wales, Wis.
Kalb, Hilda Marie	Waukesha, Wis.
Kunz, Janet Anderson	Delafield, Wis.
Plumb, Ina Jane	Waukesha, Wis.
Rankin, Jessica Myrtle	Waukesha, Wis.
Vanderpool, Margaret Anna	Mukwonago, Wis.
Douglass, Lyle Ellsworth	Waukesha, Wis.
Hamm, Charles Albert	Waukesha, Wis.
Hawtin, John William	Waukesha, Wis.
Hilborn, William	Waukesha, Wis.
Laney, Willard John	Dousman, Wis.
McLean, James Calvin	Waukesha, Wis.
McKenzie, Chester	Waukesha, Wis.
Merriam, Chauncey	Omro, Wis.
Price, William Howard	Waukesha, Wis.
Rhoda, George Socia	Oconomowoc, Wis.
Siewert, Benjamin	Colgate, Wis.
Smith, Robert James	Mukwonago, Wis.
Smith, Van Aernam	Lake Beulah, Wis.
Smith, Warren Broman	Waukesha, Wis.
Thomas, Edward Francis	Pewaukee, Wis.
Torhorst, Harry Arthur	Waukesha, Wis.

### Second Year.

Buchan, Katherine Frances	Waukesha, Wis.
Carroll, Delia Eva	Mukwonago, Wis.
Chamberlin, Olive M.	Madison, Wis.
Chapman, Claribel	Laona, Wis.
Cory, Olive	Waukesha, Wis.
Kanouse, Florence Barbara	Waukesha, Wis.
Latham, Cordelia	Waukesha, Wis.
Latham, Helen Louise	Waukesha, Wis.
Lees, Lilly May	Sussex, Wis.
Moses, Marian Tytherleigh	Waukesha, Wis.
Solverson, Gladys Vivian	Nashotah, Wis.
Wilbur, Marjorie Lois	Waukesha, Wis.
Wiley, Jean Balentine	Chicago, Ill.
Busse, Harry Frederick	Waukesha, Wis.
Finn, Edward Albert	Mukwonago, Wis.

Hanson, Edward	Three Lakes, Wis.
Harper, Leslie James	Janesville, Wis.
Jones, DeWitt	Wales, Wis.
Jones, Ira	Wales, Wis.
Kreger, Frederick Augustus	Aniwa, Wis.
Lunt, Alfred Davis	Genesee, Wis.
McCumber, Charles	Waukesha, Wis.
MacLean, Murdock Alexander	Chicago, Ill.
Morse, Harry Leigh	Milwaukee, Wis.
Northrop, Ensign	Winchester, Ky.
Phelps, Frederick Lehman	Waukesha, Wis.
Quaw, Stephen Duane	Wausau, Wis.
Textor, Arthur Henry	Wausau, Wis.
Thomas, Alvin Richard	Nashotah, Wis.
Thomas, Filmore	Wales, Wis.
Van Langdon, Emil	Green Bay, Wis.
Williams, Edward Thomas	Wales, Wis.
Williamson, William Rowland	Waukesha, Wis.

### First Year.

Bean, Gertrude Sydnie	Waukesha, Wis.
Blair, Georgia Hatch	Waukesha, Wis.
Burnell Luella	North Prairie, Wis.
Douglass, Olive Florence	Waukesha, Wis.
Dreyer, Clara Lucinda	Wales, Wis.
Drought, Jennie Adaline	Waukesha, Wis.
Dushek, Libbie	Kellnersville, Wis.
Edwards, Catherine A.	Nashotah, Wis.
Farrar, Fay	Chicago, Ill.
Gillis, Florence Rhodes	Wausau, Wis.
Hengen, Nettie Elizabeth	Waukesha, Wis.
Hilborn, Edna Mabel	Waukesha, Wis.
Howard, Beatrice M.	Waukesha, Wis.
Hudson, Mary Lee	Waukesha, Wis.
Jones, Audrey	Wales, Wis.
Jones, Edith Evelyn	North Prairie, Wis.
Johnson, Ethel Viola	Waukesha, Wis.
Kelley, Grace	Dousman, Wis.
Mayland, Alice Olive	Waukesha, Wis.
McKenzie, Leona May	Waukesha, Wis.

Mills, Mabel	Wales, Wis.
Mitchell, Ethel Anna	Brookfield, Wis.
Nohr, Agnes Josephine	Waupaca, Wis.
Richards, Anna	Waukesha, Wis.
Rodgers, Anna Laura	Waukesha, Wis.
Rowlands, Adeline Belle	Wales, Wis.
Smith, Lottie Pearl	Sauk City, Wis.
Smith, Sarah Elinor	Sauk City, Wis.
Stewart, Mary Jane	Wales, Wis.
Strong, Lillie May	Waukesha, Wis.
Swahn, Anny	Waukesha, Wis.
Thomas, Harriet	Pewaukee, Wis.
Weeks, Addie Maria	Templeton, Wis.
Wheeler, Dorothy May	Waukesha, Wis.
Wheeler, Evelyn Elvira	Waukesha, Wis.
Yeaton, Amy Mercidas	Lena, Wis.
Buell, John Bruce	Waukesha, Wis.
Davies, Zachariah	Wales, Wis.
Foster, Fred Fowler	Waukesha, Wis.
Fryar, Clarence Miliam	Milwaukee, Wis.
Gaspar, Harold Lee	Waukesha, Wis.
Handler, George	Neenah, Wis.
Koppe, Charles Herman	Des Moines, Ia.
Kranz, Albert	Waukesha, Wis.
Kuhnert, Harry Carl	Waukesha, Wis.
Luber, Austin John	Auburndale, Wis.
MacFarlane, Robert Moses	North Prairie, Wis.
McTrusty, Nolbert	Amberg, Wis.
Pierner, Daniel John	Waukesha, Wis.
Roberts, John A.	Waukesha, Wis.
Rowlands, Owen	Waukesha, Wis.
Segler, Emil A.	Racine, Wis.
Siewert, Arthur Alfred	Colgate, Wis.
Smith, Howard Eugene	Antioch, Ill.
Stewart, Elmer Todd	Wales, Wis.
Tibbitts, Armand Rhodes	Waukesha, Wis.
Williamson, Chester Hubbard	Waukesha, Wis.
Winton, Arthur V.	Waukesha, Wis.



## ART.

Allen, Jessie,  
 Buell, Laura  
 Ganfield, Clara  
 Kanouse, Florence  
 Kunz, Janet  
 Loomis, Emily  
 Mucklestone, May  
 Pope, Martha  
 Rodgers, Jessie  
 Schneider, Ada  
 Thomas, Nellie  
 Weeks, Addie  
 Weeks, Myrtle  
 Wenzel, Alma  
 Wood, Fay  
 Blair, Francis

Cambridge, Wis.  
 Waukesha, Wis.  
 Waukesha, Wis.  
 Waukesha, Wis.  
 Delafield, Wis.  
 Portage, Wis.  
 Waukesha, Wis.  
 Waukesha, Wis.  
 Waukesha, Wis.  
 Merton, Wis.  
 Waukesha, Wis.  
 Merton, Wis.  
 Waukesha, Wis.  
 Merrill, Wis.  
 Mukwonago, Wis.  
 Janesville, Wis.

## MUSIC.

## Piano.

Baldwin, Florence  
 Buchan, Katherine  
 Hooper, Florence  
 Kanouse, Florence  
 Kunz, Janet  
 Kurtz, Mabel  
 Loomis, Emily  
 Peterson, Hallie  
 Wheeler, Evelyn  
 Wilson, Jeanette  
 Lang, Emil  
 Maule, Howard  
 Morse, Harry

Weyauwega, Wis.  
 Waukesha, Wis.  
 Troy Center, Wis.  
 Waukesha, Wis.  
 Delafield, Wis.  
 Portage, Wis.  
 Portage, Wis.  
 Omro, Wis.  
 Waukesha, Wis.  
 Wausau, Wis.  
 Waukesha, Wis.  
 Dousman, Wis.  
 Milwaukee, Wis.

## Vocal.

Baldwin, Florence  
 Buswell, Lina Porter  
 Carrier, Cornelia  
 Elias, Elizabeth  
 England, Jessie

Weyauwega, Wis.  
 Waukesha, Wis.  
 Waukesha, Wis.  
 Wales, Wis.  
 Waukesha, Wis.

Farrar, Fay	Chicago, Ill.
Goddard, Amber	Waukesha, Wis.
Hutchins, Fleetta	Waukesha, Wis.
Kalb, Hilda	Waukesha, Wis.
Kunz, Janet	Delafield, Wis.
Kurtz, Mabel	Portage, Wis.
Johnson, Mary	Beaver Dam, Wis.
McFarlane, Mabel	Waukesha, Wis.
Newell, Pearl Lucretia	Whitewater, Wis.
Richards, Edna	Waukesha, Wis.
Roberts, Mabel Rhine	Waukesha, Wis.
Schrader, Ada	Waukesha, Wis.
Smith, Nina Belle	Waukesha, Wis.
Weeks, Addie	Merton, Wis.
Wenzel, Alma	Merrill, Wis.
Wilson, Jeanette	Wausau, Wis.
Carrier, Ralph	Waukesha, Wis.
Cecil, Augustus	Oconto, Wis.
Holt, Harvey	Oconomowoc, Wis.
McAlister, Archie	Marinette, Wis.
Nickell, Arthur	Waukesha, Wis.
Pardee, Harry	Waukesha, Wis.
Roberts, James	Waukesha, Wis.
Weber, Richard	Waukesha, Wis.
Young, Elmer	Wausau, Wis.

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Counted more than once.....	39
Net Total .....	232

## OFFICERS OF ALUMNI ASSOCIATION.

DANIEL J. WILLIAMS '95, President  
RICHARD E. DAVIES '93, Vice-President  
LAURA B. BREESE '96, Secretary  
MAY N. RANKIN '05, Treasurer

## Advisory Committee.

CHARLES L. THOMPSON '58  
THEODORA E. YOUNG '80  
MAXWELL C. OTTO '02

A special issue of the *Bulletin* containing a complete and corrected list of the alumni will be prepared for early distribution. It is desired that any changes in address or occupation shall be reported to the President of the college.

## FORM OF BEQUEST.

*Item First*—I give and devise, etc.

*Item Second*—I give and devise to "THE TRUSTEES OF CARROLL COLLEGE," the following lands and tenements (description) in \_\_\_\_\_ County, in the State of \_\_\_\_\_

*Item Third*—I give and bequeath to "THE TRUSTEES OF CARROLL COLLEGE," the sum of \_\_\_\_\_ dollars, to be paid by my executor out of my estate within \_\_\_\_\_ months after my decease.

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8:55	Bible	Latin, 3	Mathematics, 11 and 12	Shakespeare, 12 and 13			
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1:15	Bible	Latin, 1	Mathematics, 11 and 12	English, 3			Gr
2:10	Bible	Latin 11		Oratory	History, 15	Mathematics, 2 Geometry	
3:05		Latin 13	Mathematics, 3	English, 1			

STARR.	GODDARD.	HUTCHINS.	EDDY.	KIEHLE.	TRETTIEN.	
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English, 1 (OLIVER.)	Biology, 11	Chemistry, 11 Laboratory, Tu. W. Th.				Physics, 11





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